

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
Report Details: Type: Inflows Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Designed by: MDJ	Checked by:	Approved By:	
	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof Rear Left

Type : Catchment Area

Area (ha)	0.072
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Area Roof L Front

Type : Catchment Area

Area (ha)	0.048
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Area Service Yard R

Type : Catchment Area

Area (ha)	0.168
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Area Service Yard L

Type : Catchment Area

Area (ha)	0.06
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Area Roof Rear Right

Type : Catchment Area

Area (ha)	0.072
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SMH-01	Manhole	345499.743	390271.917	29.100	1.000	28.100	0.000	Circular
SMH-02	Manhole	345453.782	390216.649	29.100	1.360	27.740	0.000	Circular
SMH-03	Manhole	345483.855	390191.641	29.100	1.625	27.475	0.000	Circular
SMH-04	Manhole	345499.107	390209.980	29.100	1.820	27.280	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular
Existing MH 01	Manhole	345521.278	390191.674	28.800	2.300	26.500	0.000	Circular

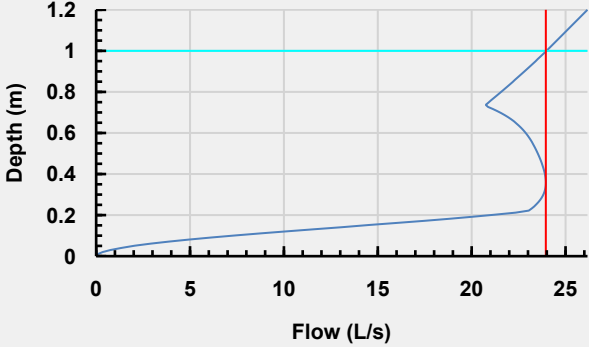
Name	Diameter (m)	Lock
SMH-01	1.000	None
SMH-02	1.000	None
SMH-03	1.000	None
SMH-04	1.500	None
SMH-06	1.500	None
Existing MH 01	1.200	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-01	Inlet	Area Roof Rear Right	(None)	No Restriction
SMH-02	Inlet	Pipe 1.01 Area Roof Rear Left	(None)	No Restriction
SMH-03	Inlet	Pipe 1.02 Area Roof L Front	(None)	No Restriction
	Inlet (1)	Area Service Yard L	(None)	No Restriction
SMH-04	Inlet	Pipe 1.03 Pipe 2.01	(None)	No Restriction
	Inlet (1)	Area Service Yard R	(None)	No Restriction
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction
Existing MH 01	Inlet	Pipe Outfall	(None)	No Restriction

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Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-01	Outlet	Pipe 1.01	Free Discharge
SMH-02	Outlet	Pipe 1.02	Free Discharge
SMH-03	Outlet	Pipe 1.03	Free Discharge
SMH-04	Outlet	Pipe 1.04	Free Discharge
SMH-06	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
			
Existing MH 01	Outlet	Existing 150	Free Discharge

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Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe 1.01	71.881	Pipe	199.671		0.6	300	29.100	28.100
Pipe 1.02	39.112	Pipe	205.854		0.6	300	29.100	27.740
Pipe 1.03	23.853	Pipe	198.779		0.6	375	29.100	27.475
Branch: Pipe 2.01								
Pipe 2.01	54.436	Pipe	95.502		0.6	300	29.100	28.000
Pipe 1.04	20.709	Pipe	51.132		0.6	450	29.100	27.280
Branch: Offline Attenuation								
Offline Attenuation	48.738	Pipe	487.376		0.6	600	28.810	27.025
Pipe 5.01	4.682	Pipe	93.642		0.6	600	28.820	26.925
Branch: Pipe 3.01								
Pipe 3.01	50.417	Pipe	100.834		0.6	300	28.850	27.675
Branch: Pipe 4.01								
Pipe 4.01	21.369	Pipe	58.545		0.6	225	28.850	27.615
Pipe Outfall	8.043	Pipe	21.449		0.6	225	28.775	26.875

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 1.01	29.100	27.740		None		(None)	(None)	0
Pipe 1.02	29.100	27.550		Levels		(None)	(None)	0
Pipe 1.03	29.100	27.355		Levels		(None)	(None)	0
Branch: Pipe 2.01								
Pipe 2.01	29.100	27.430		Levels		(None)	(None)	0
Pipe 1.04	28.775	26.875		None		(None)	(None)	0
Branch: Offline Attenuation								
Offline Attenuation	28.820	26.925		None		(None)	(None)	0
Pipe 5.01	28.775	26.875		None		(None)	(None)	0
Branch: Pipe 3.01								
Pipe 3.01	28.775	27.175		Levels		(None)	(None)	0
Branch: Pipe 4.01								
Pipe 4.01	28.775	27.250		Levels		(None)	(None)	0
Pipe Outfall	28.800	26.500		None	24.0	(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 1.01		0		
Pipe 1.02		0		
Pipe 1.03		0		
Branch: Pipe 2.01				
Pipe 2.01		0		
Pipe 1.04		0		
Branch: Offline Attenuation				
Offline Attenuation		0		
Pipe 5.01		0		
Branch: Pipe 3.01				
Pipe 3.01		0		
Branch: Pipe 4.01				
Pipe 4.01		0		
Pipe Outfall		0		

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Area Roof Rear Right	SMH-01		Time of Concentration	0.072	100	0	100	0.072
Area Roof Rear Left	SMH-02		Time of Concentration	0.072	100	0	100	0.072
Area Roof L Front	SMH-03		Time of Concentration	0.048	100	0	100	0.048
Area Service Yard L	SMH-03		Time of Concentration	0.060	100	0	100	0.060
Branch: Pipe 2.01								
Area Roof R Front	SMH-05		Time of Concentration	0.096	100	0	100	0.096
Area Service Yard R	SMH-04		Time of Concentration	0.168	100	0	100	0.168
Branch: Offline Attenuation								
Branch: Pipe 3.01								
Branch: Pipe 4.01								
TOTAL		0.0		0.517				0.517

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Area Roof R Front

Type : Catchment Area

Area (ha)	0.096
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Area Service Yard R

Type : Catchment Area

Area (ha)	0.168
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
SMH-05	Manhole	345533.916	390251.833	29.100	1.100	28.000	Circular	1.000
SMH-04	Manhole	345499.107	390209.980	29.100	1.820	27.280	Circular	1.500

Name	Lock
SMH-05	None
SMH-04	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-05	Inlet	Area Roof R Front	(None)	No Restriction
SMH-04	Inlet	Pipe 1.03 Pipe 2.01	(None)	No Restriction
	Inlet (1)	Area Service Yard R	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-05	Outlet	Pipe 2.01	Free Discharge
SMH-04	Outlet	Pipe 1.04	Free Discharge

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Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe 2.01	54.436	Pipe	95.502		0.6	300	29.100	28.000

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 2.01	29.100	27.430		Levels		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 2.01		0		

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Area Roof R Front	SMH-05		Time of Concentration	0.096	100	0	100	0.096
Area Service Yard R	SMH-04		Time of Concentration	0.168	100	0	100	0.168
TOTAL		0.0		0.264				0.264

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Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

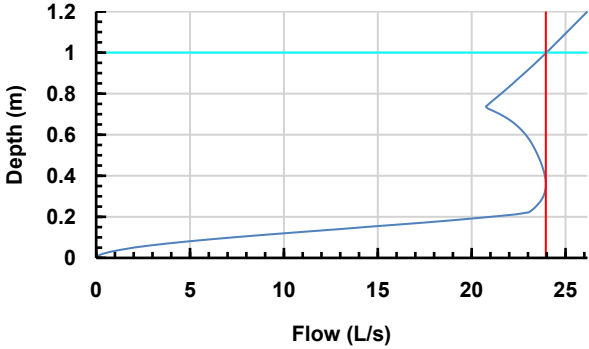
Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SMH-08	Manhole	345547.269	390235.499	28.850	1.175	27.675	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular

Name	Diameter (m)	Lock
SMH-08	1.000	None
SMH-06	1.500	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-08	Outlet	Pipe 3.01	Free Discharge
	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
SMH-06			

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe 3.01	50.417	Pipe	100.834		0.6	300	28.850	27.675

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 3.01	28.775	27.175		Levels		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 3.01		0		

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
TOTAL		0.0		0.00				0.00

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

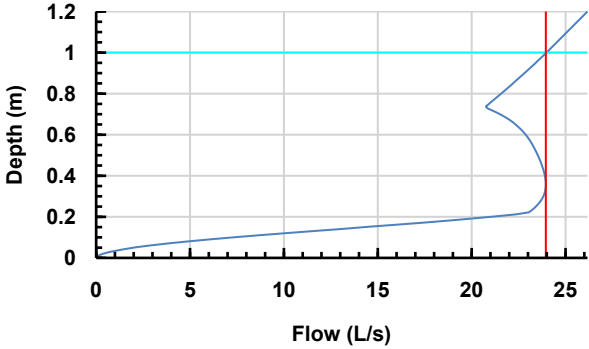
Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SMH-07	Manhole	345501.363	390180.309	28.850	1.235	27.615	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular

Name	Diameter (m)	Lock
SMH-07	1.000	None
SMH-06	1.500	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-07	Outlet	Pipe 4.01	Free Discharge
	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
SMH-06			

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Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe 4.01	21.369	Pipe	58.545		0.6	225	28.850	27.615

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 4.01	28.775	27.250		Levels		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 4.01		0		

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
TOTAL		0.0		0.00				0.00

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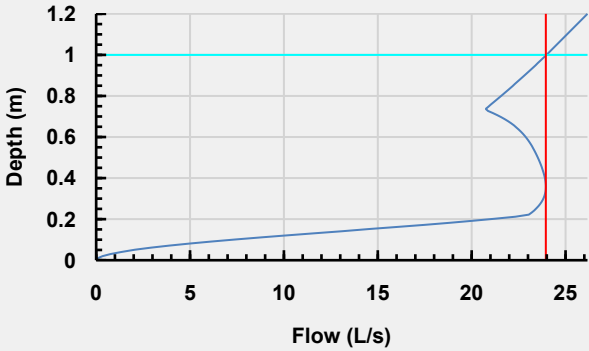
Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
Manhole Att Tank	Manhole	345546.345	390238.778	28.810	1.785	27.025	0.000	Circular
SW-MH AT 01	Manhole	345515.045	390201.420	28.820	1.895	26.925	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular

Name	Diameter (m)	Lock
Manhole Att Tank	1.200	None
SW-MH AT 01	1.500	None
SMH-06	1.500	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SW-MH AT 01	Inlet	Offline Attenuation	(None)	No Restriction
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
Manhole Att Tank	Outlet	Offline Attenuation	Free Discharge
SW-MH AT 01	Outlet	Pipe 5.01	Free Discharge
SMH-06	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
			

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Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Offline Attenuation	48.738	Pipe	487.376		0.6	600	28.810	27.025
Pipe 5.01	4.682	Pipe	93.642		0.6	600	28.820	26.925

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Offline Attenuation	28.820	26.925		None		(None)	(None)	0
Pipe 5.01	28.775	26.875		None		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Offline Attenuation		0		
Pipe 5.01		0		

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
TOTAL		0.0		0.00				0.00

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Network Design Criteria Storm Phase: SW Drainage Design		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Flow Options

Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	5
Max. Travel Time (mins)	30

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Manhole Options

Apply Offset	☐
--------------	--------------------------

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Outfall Details Storm Phase: SW Drainage Design		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
Existing MH 02	Free Discharge			

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
Report Title: Rainfall Analysis Criteria	Designed by: MDJ	Checked by:	Approved By:	
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF				

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	200
Prefill Manhole Sumps	☒
Perform No Discharge Analysis	☐

Rainfall

FSR	Type: FSR
-----	-----------

Region	England And Wales
M5-60 (mm)	19.9
Ratio R	0.387
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: SW Drainage Design		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Area Roof Rear Left	FSR: 100 years: +40 %: 15 mins: Summer	0.07	56.6	24.672
Area Roof R Front	FSR: 100 years: +40 %: 15 mins: Summer	0.10	75.0	32.715
Area Roof L Front	FSR: 100 years: +40 %: 15 mins: Summer	0.05	37.9	16.523
Area Service Yard R	FSR: 100 years: +40 %: 15 mins: Summer	0.17	131.3	57.249
Area Service Yard L	FSR: 100 years: +40 %: 15 mins: Summer	0.06	46.8	20.388
Area Roof Rear Right	FSR: 100 years: +40 %: 15 mins: Summer	0.07	56.6	24.699

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-01	FSR: 100 years: +40 %: 60 mins: Summer	29.10 0	28.10 0	28.547	0.447	32.7	0.351	0.000	31.0	41.712	Surcharged
SMH-02	FSR: 100 years: +40 %: 60 mins: Winter	29.10 0	27.74 0	28.493	0.753	51.7	0.591	0.000	48.5	87.246	Surcharged
SMH-03	FSR: 100 years: +40 %: 360 mins: Summer	29.10 0	27.47 5	28.884	1.409	90.8	1.106	0.000	90.7	266.678	Surcharged
SMH-04	FSR: 100 years: +40 %: 60 mins: Summer	29.10 0	27.28 0	28.613	1.333	217.8	2.356	0.000	214.7	317.063	Surcharged
SMH-06	FSR: 100 years: +40 %: 120 mins: Winter	28.77 5	26.57 5	28.695	2.120	622.7	3.746	0.000	23.9	631.624	Flood Risk
Existing MH 01	FSR: 100 years: +40 %: 600 mins: Winter	28.80 0	26.50 0	27.265	0.765	24.0	0.865	0.000	23.9	409.006	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 1.01	FSR: 100 years: +40 %: 1440 mins: Summer	Pipe	SMH-01	SMH-02	29.100	28.145	0.055	85.762	0.4	0.05	3.9	OK
Pipe 1.02	FSR: 100 years: +40 %: 1440 mins: Summer	Pipe	SMH-02	SMH-03	29.100	27.805	0.065	171.385	0.7	0.1	7.8	OK
Pipe 1.03	FSR: 100 years: +40 %: 1440 mins: Summer	Pipe	SMH-03	SMH-04	29.100	27.555	0.102	299.314	0.8	0.1	13.6	OK
Pipe 1.04	FSR: 100 years: +40 %: 1440 mins: Summer	Pipe	SMH-04	SMH-06	29.100	27.488	0.409	611.350	0.4	0.06	27.5	OK
Pipe Outfall	FSR: 100 years: +40 %: 1440 mins: Summer	Pipe	SMH-06	Existing MH 01	28.775	27.485	0.225	575.527	1.0	0.21	23.3	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-05	FSR: 100 years: +40 %: 120 mins: Winter	29.100	28.000	28.439	0.439	22.5	0.345	0.000	84.6	68.316	Surcharged
SMH-04	FSR: 100 years: +40 %: 60 mins: Summer	29.100	27.280	28.613	1.333	217.8	2.356	0.000	214.7	317.063	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 2.01	FSR: 100 years: +40 %: 1440 mins: Winter	Pipe	SMH-05	SMH-04	29.100	28.035	0.035	113.461	0.7	0.03	3.3	OK

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-08	FSR: 100 years: +40 %: 60 mins: Winter	28.85 0	27.67 5	28.422	0.747	76.7	0.586	0.000	14.3	21.521	Surcharged
SMH-06	FSR: 100 years: +40 %: 120 mins: Winter	28.77 5	26.57 5	28.695	2.120	622.7	3.746	0.000	23.9	631.624	Flood Risk

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 3.01	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SMH-08	SMH-06	28.850	28.244	0.300	4.328	1.1	0.69	75.9	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Designed by: MDJ	Checked by:		Approved By:
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF					



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-07	FSR: 100 years: +40 %: 180 mins: Summer	28.85 0	27.61 5	28.399	0.784	26.2	0.616	0.000	2.6	18.814	Surcharged
SMH-06	FSR: 100 years: +40 %: 120 mins: Winter	28.77 5	26.57 5	28.695	2.120	622.7	3.746	0.000	23.9	631.624	Flood Risk

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Designed by: MDJ	Checked by:		Approved By:
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF					



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 4.01	FSR: 100 years: +40 %: 60 mins: Winter	Pipe	SMH-07	SMH-06	28.850	28.233	0.225	4.064	0.6	0.35	24.1	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole Att Tank	FSR: 100 years: +40 %: 30 mins: Summer	28.810	27.025	28.739	1.714	106.9	1.939	0.000	167.2	278.751	Flood Risk
SW-MH AT 01	FSR: 100 years: +40 %: 60 mins: Winter	28.820	26.925	28.767	1.842	661.0	3.255	0.000	671.1	614.991	Flood Risk
SMH-06	FSR: 100 years: +40 %: 120 mins: Winter	28.775	26.575	28.695	2.120	622.7	3.746	0.000	23.9	631.624	Flood Risk

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Offline Attenuation	FSR: 100 years: +40 %: 600 mins: Winter	Pipe	Manhole Att Tank	SW-MH AT 01	28.810	27.672	0.600	13.134	0.2	0.14	358.4	Surcharged
Pipe 5.01	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW-MH AT 01	SMH-06	28.820	27.551	0.600	0.000	4.1	1.64	1168.4	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: SW Drainage Design	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



SW Drainage Design
FSR: 100 years: Increase Rainfall (%): +40: 600 mins: Winter

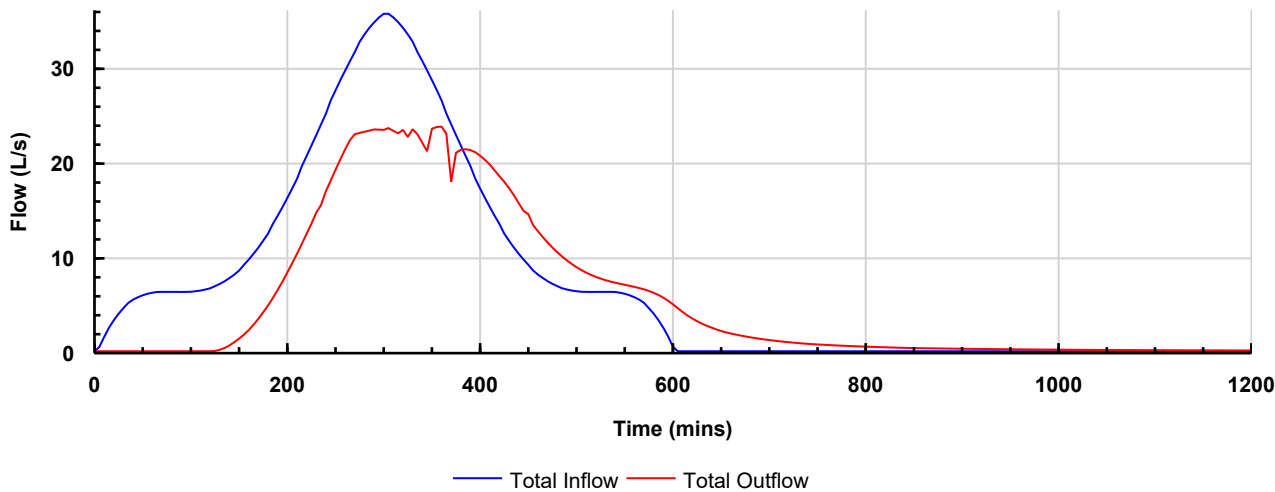
Simulation Health - The results show flow continuity issues, please try a shorter time step.

Tables

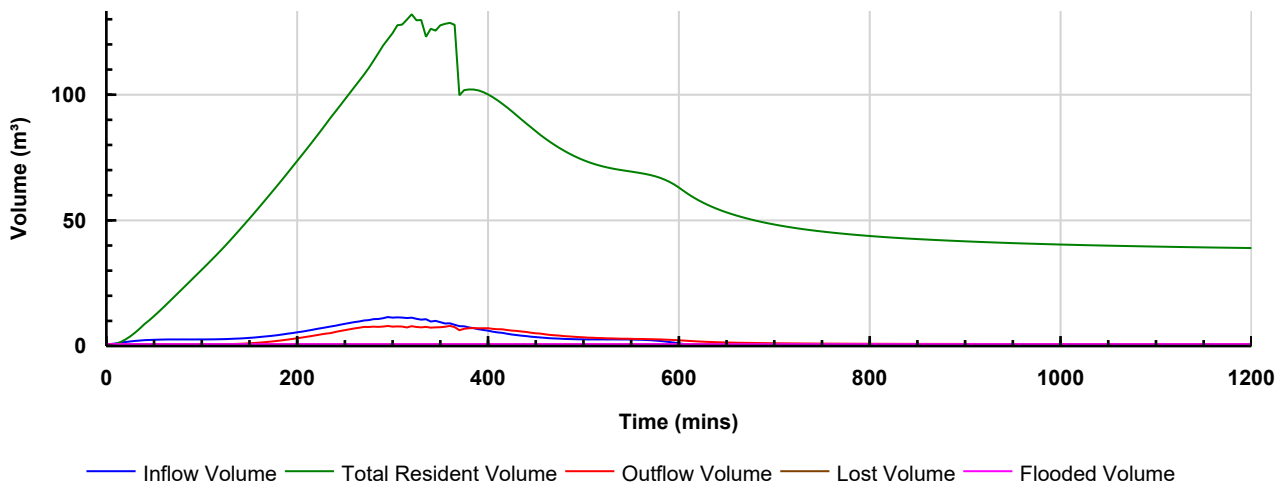
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Existing MH 02			23.8	409.006
TOTAL	35.8	509.658	23.8	409.006

Graphs

Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof Rear Left

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

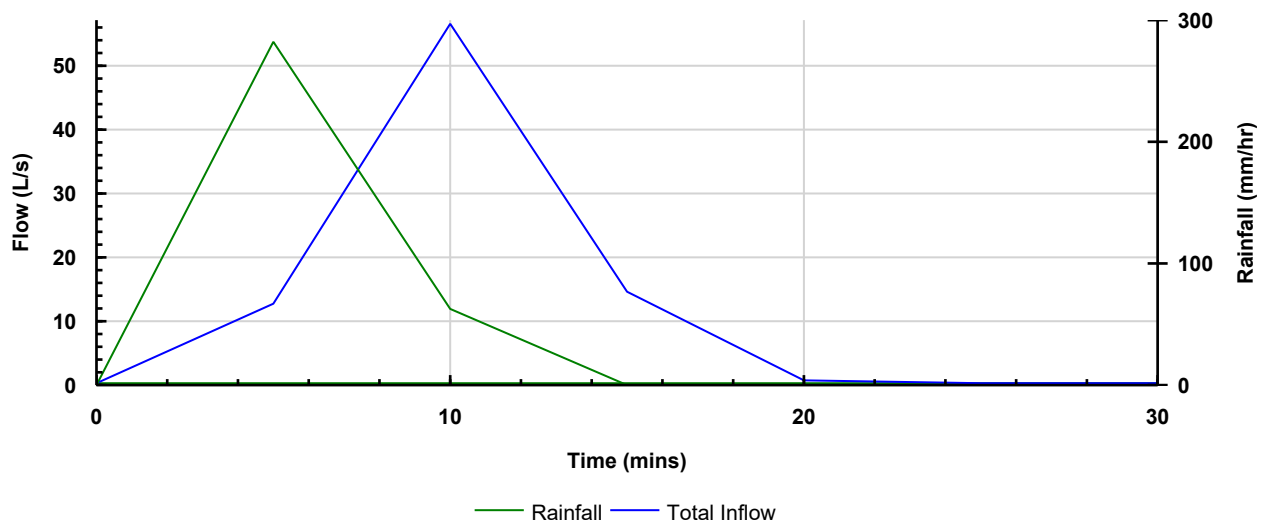
Type : Catchment Area

Inflow

Max. Inflow (L/s)	56.6
Total Inflow Volume (m³)	24.672

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof L Front

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

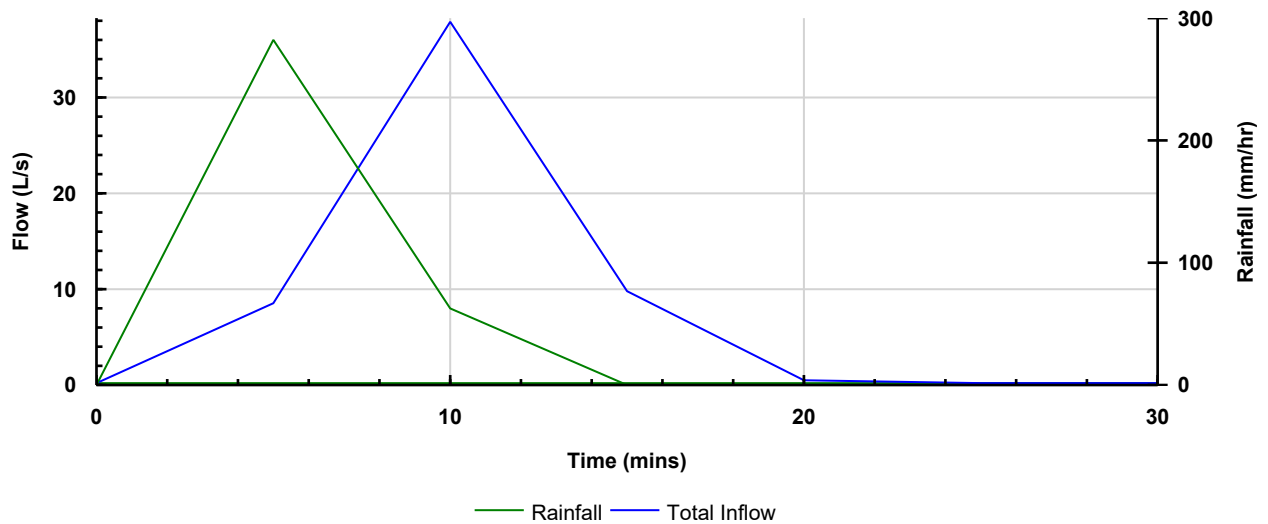
Type : Catchment Area

Inflow

Max. Inflow (L/s)	37.9
Total Inflow Volume (m³)	16.523

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Service Yard R

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

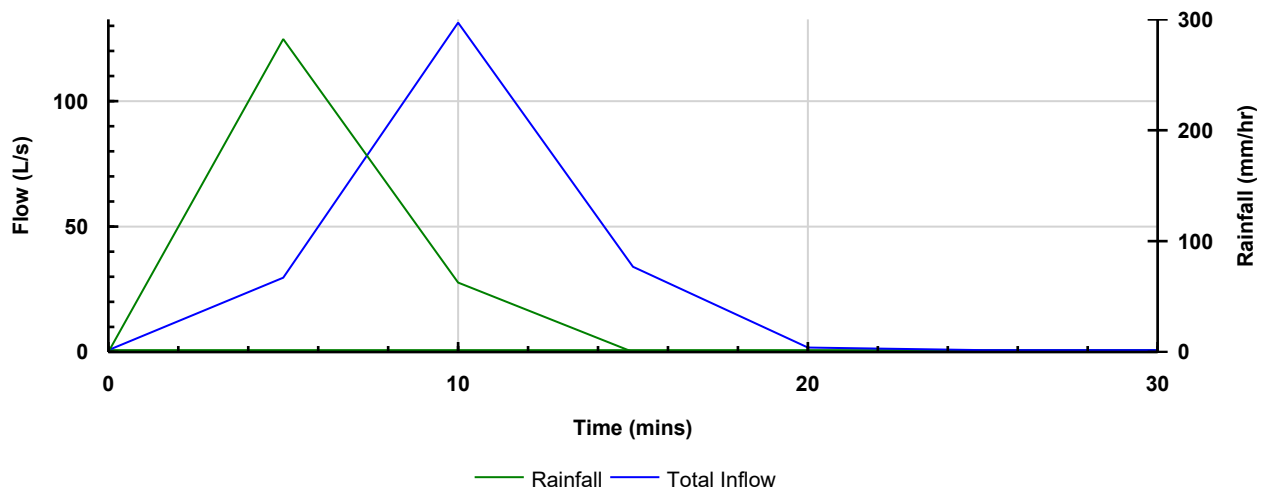
Type : Catchment Area

Inflow

Max. Inflow (L/s)	131.3
Total Inflow Volume (m³)	57.249

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Service Yard L

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

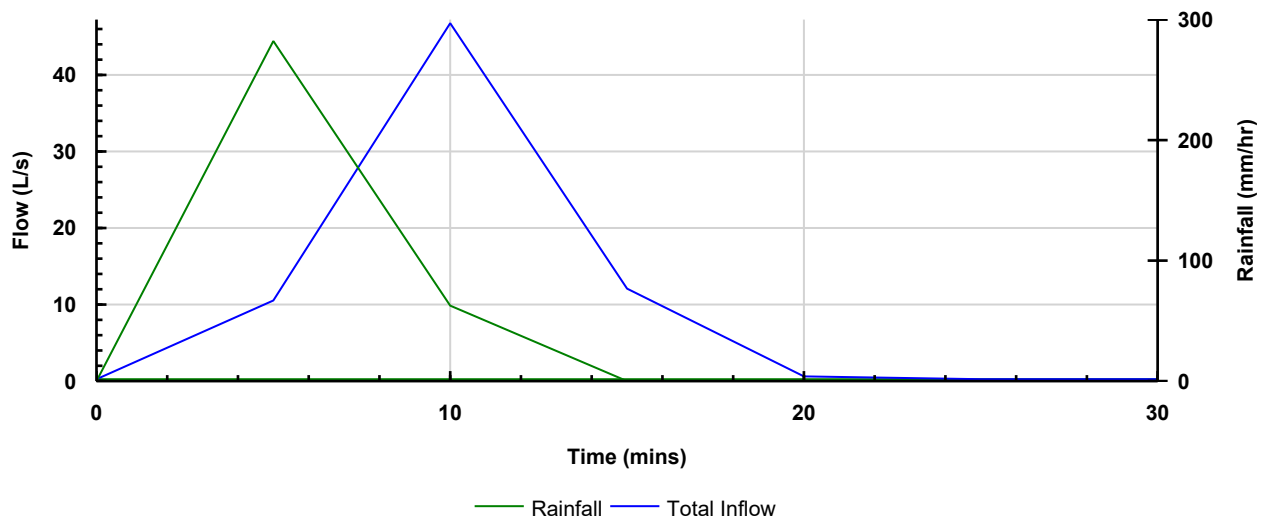
Type : Catchment Area

Inflow

Max. Inflow (L/s)	46.8
Total Inflow Volume (m³)	20.388

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof Rear Right

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

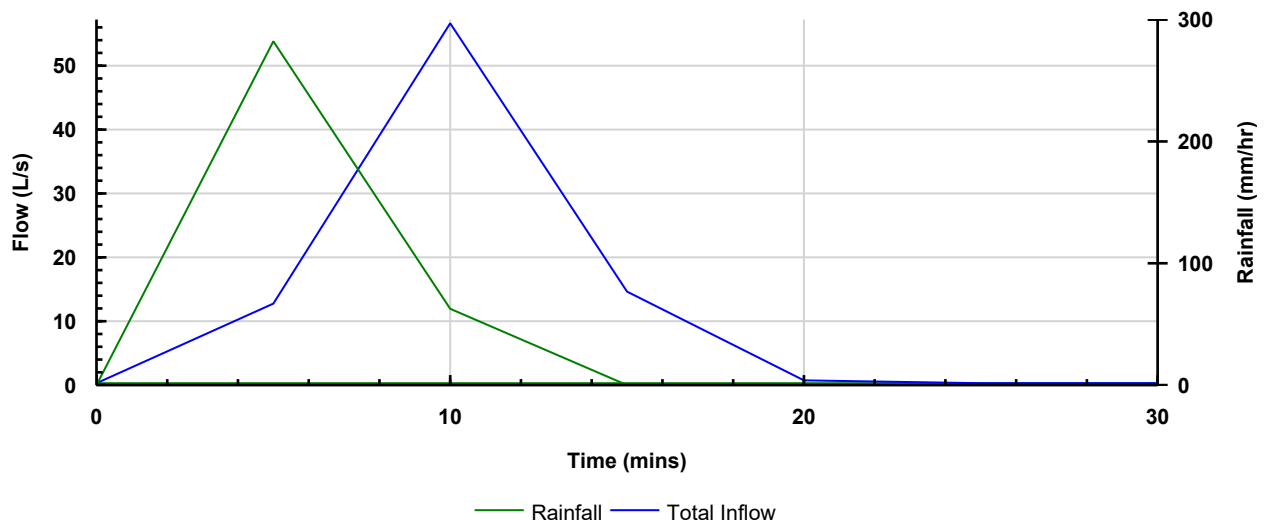
Type : Catchment Area

Inflow

Max. Inflow (L/s)	56.6
Total Inflow Volume (m³)	24.699

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



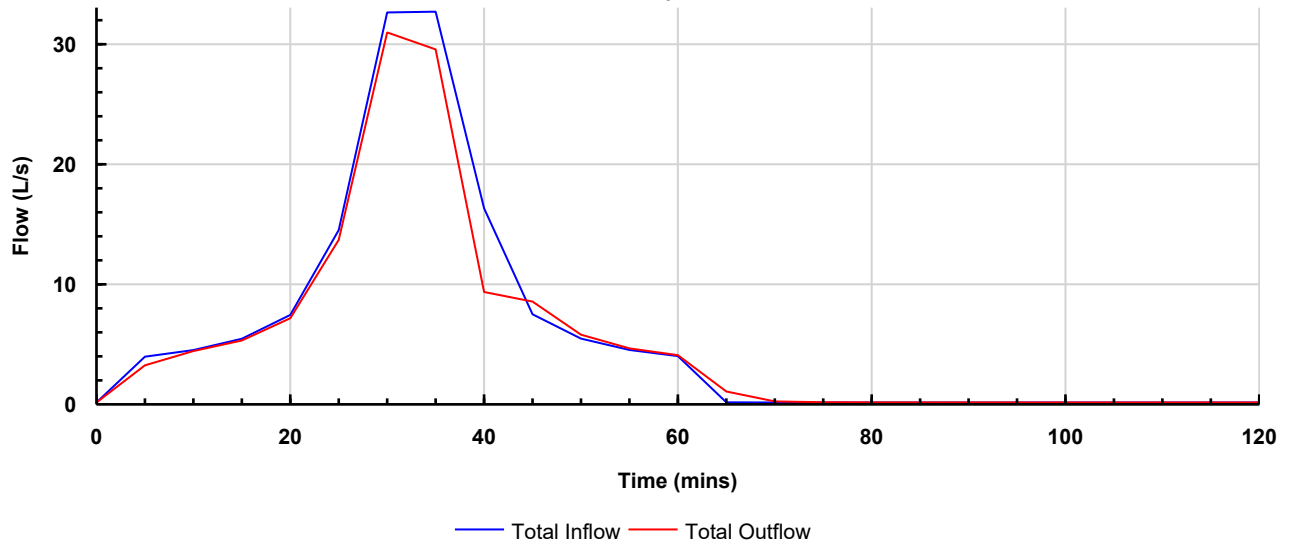
SMH-01

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

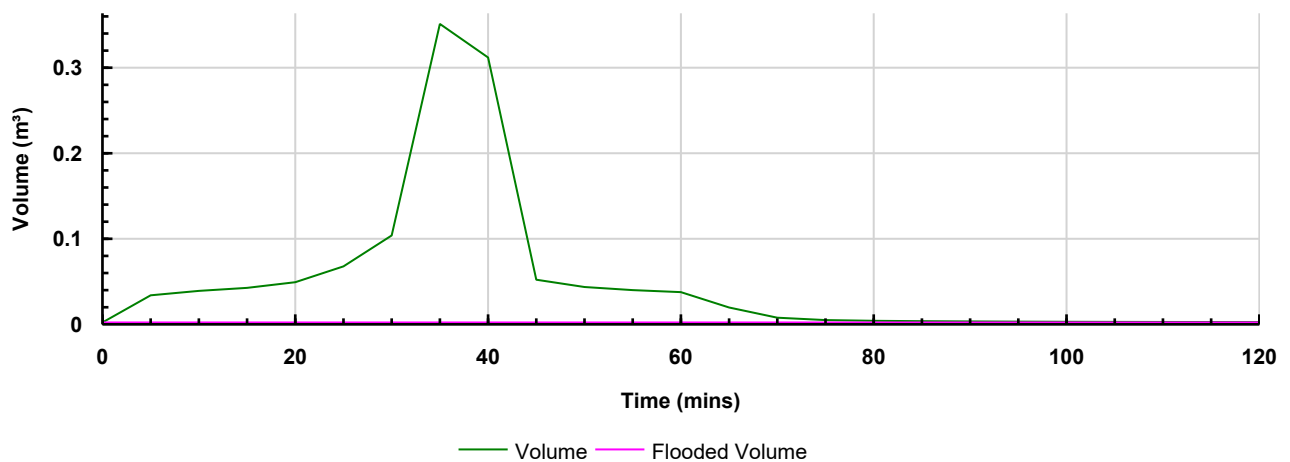
Type : Manhole

Graphs

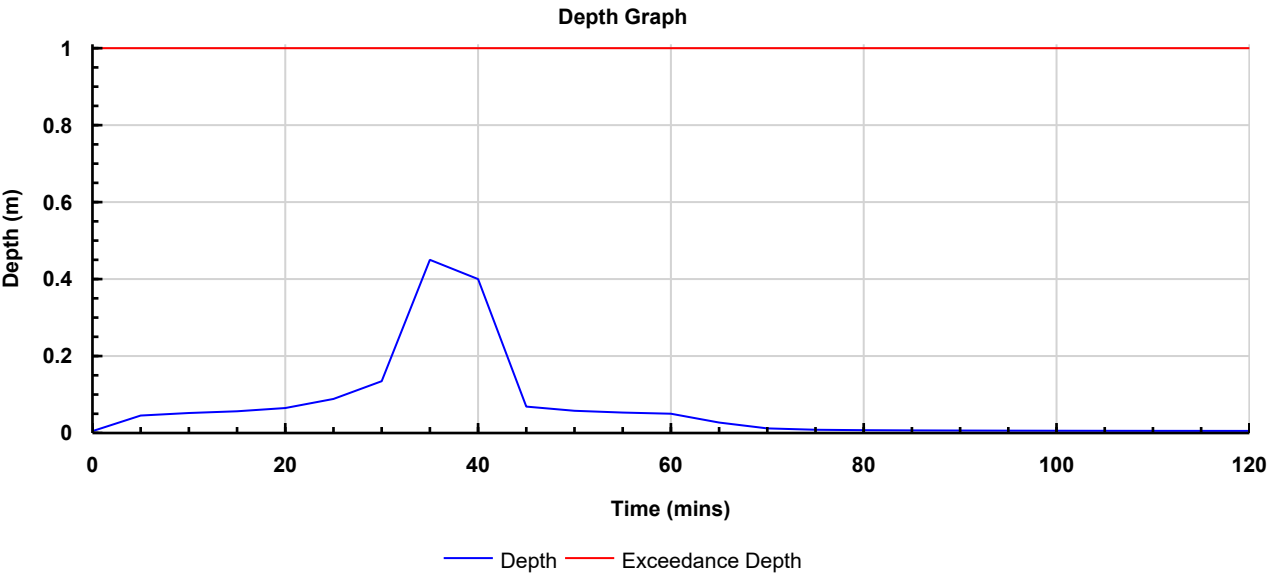
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	3.8	3.8	3.8	0.041	0.032	0.000	3.1
10	4.4	4.4	4.4	0.047	0.037	0.000	4.3
15	5.3	5.3	5.3	0.052	0.041	0.000	5.2
20	7.3	7.3	7.3	0.060	0.047	0.000	7.0
25	14.4	14.4	14.4	0.084	0.066	0.000	13.6
30	32.6	32.6	32.6	0.130	0.102	0.000	31.0
35	32.7	32.7	32.7	0.447	0.351	0.000	29.6
40	15.2	15.2	16.3	0.397	0.312	0.000	9.2
45	7.4	7.4	7.4	0.064	0.050	0.000	8.4
50	5.3	5.3	5.3	0.053	0.042	0.000	5.7
55	4.4	4.4	4.4	0.048	0.038	0.000	4.5
60	3.9	3.9	3.9	0.045	0.036	0.000	4.0
65	0.0	0.0	0.0	0.022	0.018	0.000	0.9
70	0.0	0.0	0.0	0.007	0.006	0.000	0.1
75	0.0	0.0	0.0	0.004	0.003	0.000	0.0
80	0.0	0.0	0.0	0.002	0.002	0.000	0.0
85	0.0	0.0	0.0	0.002	0.002	0.000	0.0
90	0.0	0.0	0.0	0.002	0.001	0.000	0.0
95	0.0	0.0	0.0	0.001	0.001	0.000	0.0
100	0.0	0.0	0.0	0.001	0.001	0.000	0.0
105	0.0	0.0	0.0	0.001	0.001	0.000	0.0
110	0.0	0.0	0.0	0.001	0.001	0.000	0.0
115	0.0	0.0	0.0	0.001	0.001	0.000	0.0
120	0.0	0.0	0.0	0.001	0.000	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	3.1
10	4.3
15	5.2
20	7.0
25	13.6
30	31.0
35	29.6
40	9.2
45	8.4
50	5.7
55	4.5
60	4.0
65	0.9
70	0.1
75	0.0
80	0.0
85	0.0
90	0.0
95	0.0
100	0.0
105	0.0
110	0.0
115	0.0
120	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



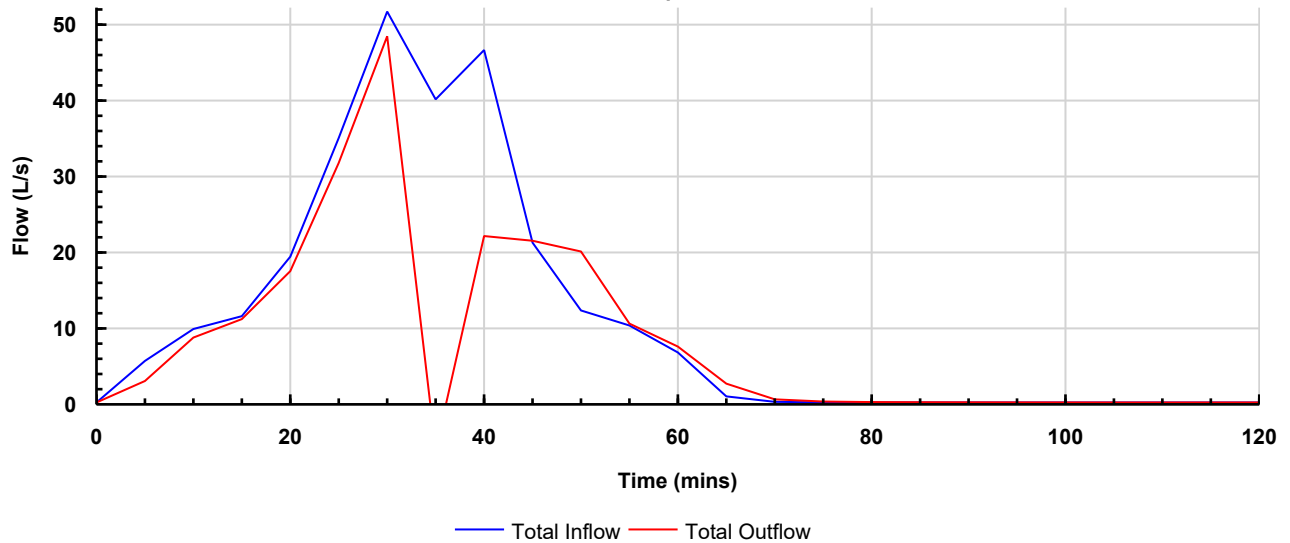
SMH-02

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Winter

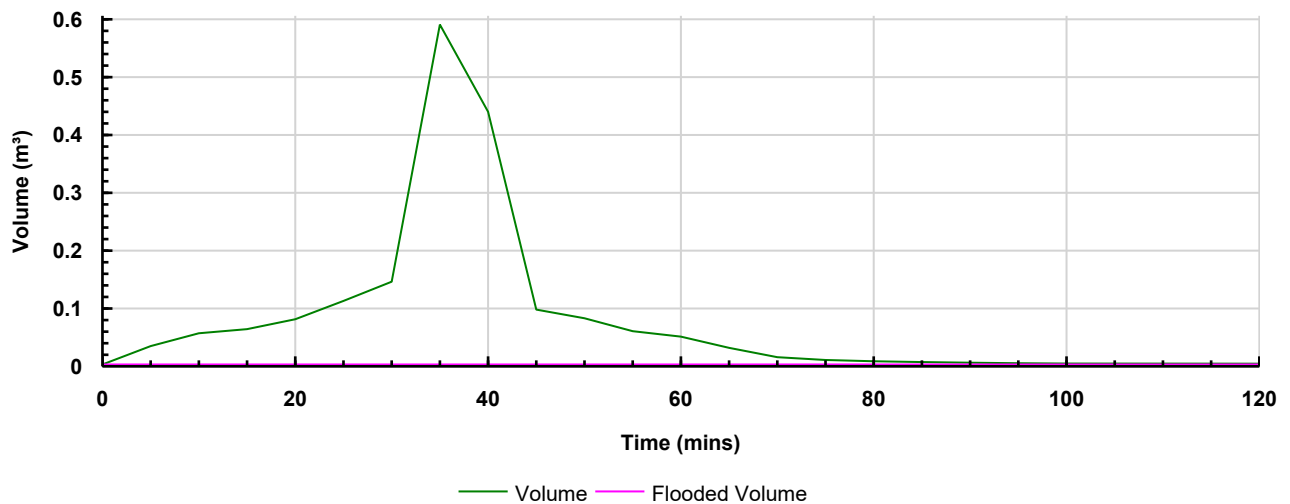
Type : Manhole

Graphs

Flow Graph

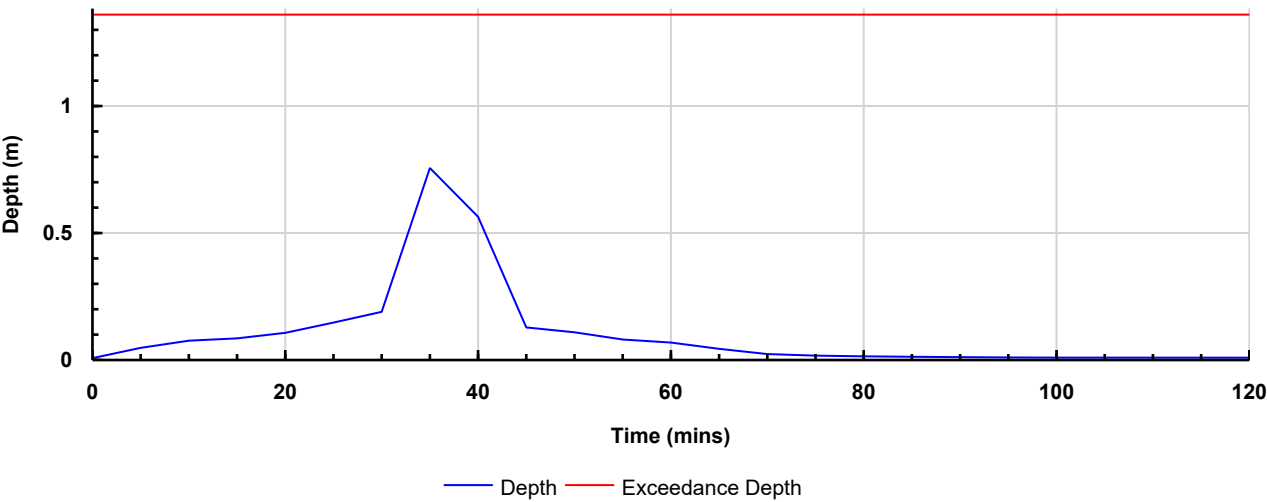


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	5.5	5.5	5.5	0.041	0.032	0.000	2.8
10	9.7	9.7	9.7	0.069	0.054	0.000	8.6
15	11.4	11.4	11.4	0.078	0.061	0.000	11.0
20	19.3	19.3	19.3	0.100	0.079	0.000	17.4
25	35.0	35.0	35.0	0.141	0.110	0.000	31.7
30	51.7	51.7	51.7	0.183	0.144	0.000	48.5
35	33.9	33.9	40.1	0.753	0.591	0.000	-6.2
40	46.6	46.6	46.6	0.560	0.439	0.000	22.0
45	21.2	21.2	21.2	0.121	0.095	0.000	21.4
50	12.2	12.2	12.2	0.102	0.080	0.000	20.0
55	10.2	10.2	10.2	0.074	0.058	0.000	10.4
60	6.6	6.6	6.6	0.062	0.048	0.000	7.4
65	0.8	0.8	0.8	0.037	0.029	0.000	2.5
70	0.1	0.1	0.1	0.016	0.013	0.000	0.4
75	0.0	0.0	0.0	0.010	0.008	0.000	0.1
80	0.0	0.0	0.0	0.007	0.006	0.000	0.1
85	0.0	0.0	0.0	0.005	0.004	0.000	0.0
90	0.0	0.0	0.0	0.004	0.003	0.000	0.0
95	0.0	0.0	0.0	0.003	0.002	0.000	0.0
100	0.0	0.0	0.0	0.002	0.002	0.000	0.0
105	0.0	0.0	0.0	0.002	0.002	0.000	0.0
110	0.0	0.0	0.0	0.002	0.001	0.000	0.0
115	0.0	0.0	0.0	0.002	0.001	0.000	0.0
120	0.0	0.0	0.0	0.002	0.001	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	2.8
10	8.6
15	11.0
20	17.4
25	31.7
30	48.5
35	-6.2
40	22.0
45	21.4
50	20.0
55	10.4
60	7.4
65	2.5
70	0.4
75	0.1
80	0.1
85	0.0
90	0.0
95	0.0
100	0.0
105	0.0
110	0.0
115	0.0
120	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



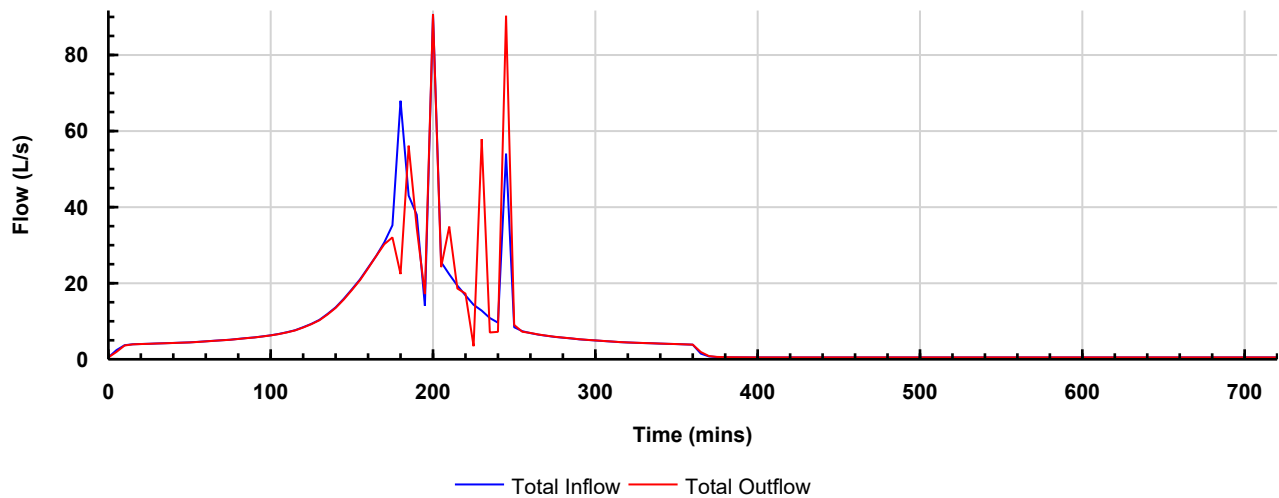
SMH-03

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 360 mins: Summer

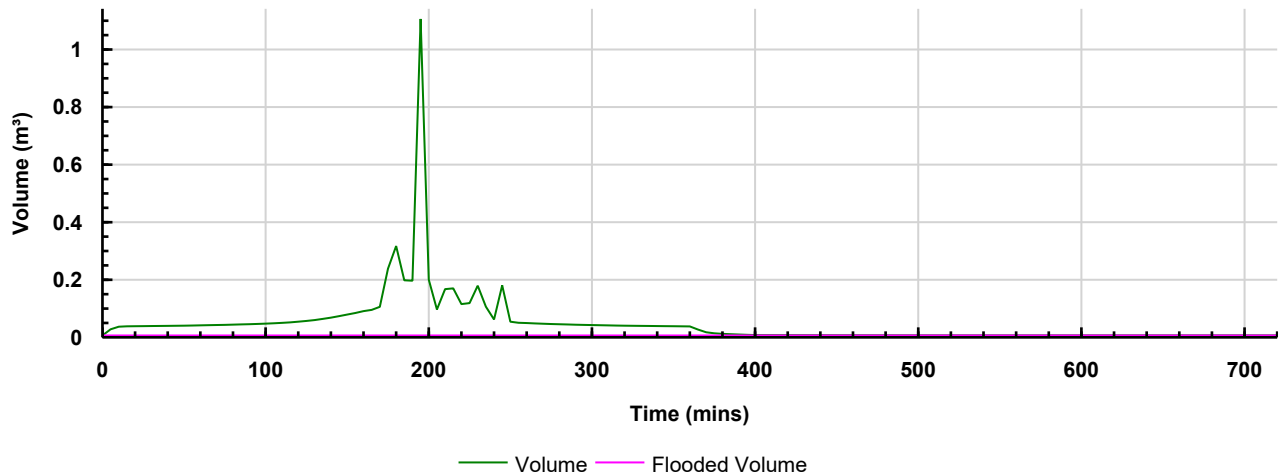
Type : Manhole

Graphs

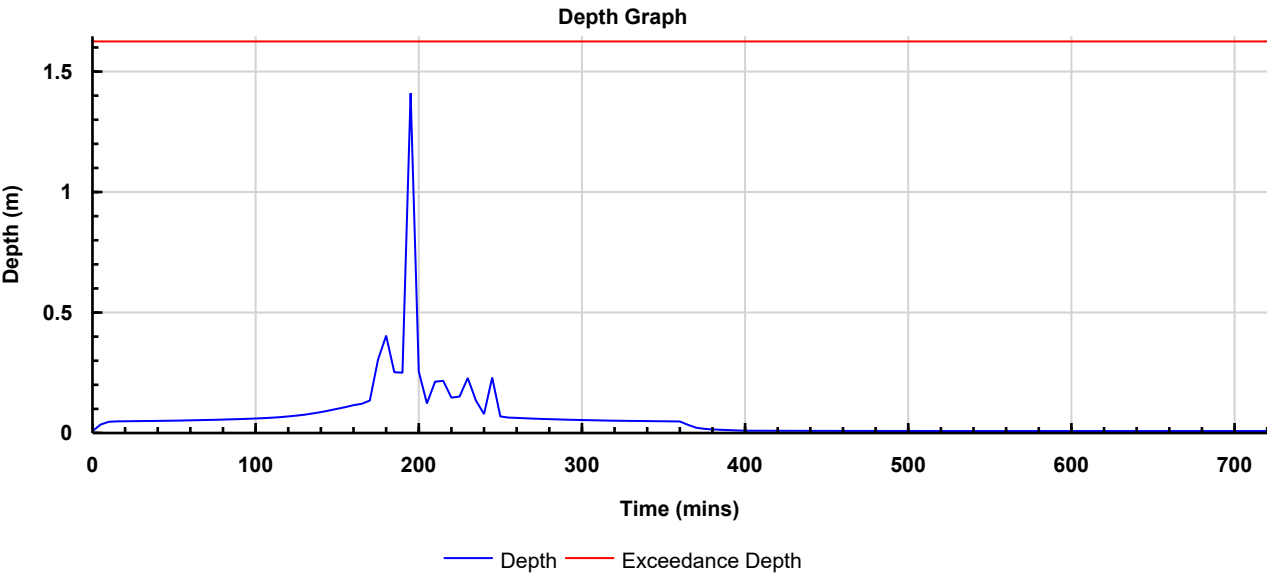
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	1.9	1.2	0.8	1.9	0.027	0.022	0.000
10	3.2	2.4	0.8	3.2	0.039	0.031	0.000
15	3.5	2.6	0.8	3.5	0.041	0.032	0.000
20	3.5	2.7	0.8	3.5	0.041	0.032	0.000
25	3.6	2.7	0.9	3.6	0.042	0.033	0.000
30	3.7	2.8	0.9	3.7	0.042	0.033	0.000
35	3.7	2.9	0.9	3.7	0.042	0.033	0.000
40	3.8	2.9	0.9	3.8	0.043	0.034	0.000
45	3.9	3.0	0.9	3.9	0.043	0.034	0.000
50	4.0	3.0	0.9	4.0	0.044	0.034	0.000
55	4.1	3.1	1.0	4.1	0.044	0.035	0.000
60	4.2	3.2	1.0	4.2	0.045	0.035	0.000
65	4.4	3.4	1.0	4.4	0.046	0.036	0.000
70	4.5	3.5	1.1	4.5	0.047	0.037	0.000
75	4.7	3.6	1.1	4.7	0.047	0.037	0.000
80	4.9	3.7	1.2	4.9	0.048	0.038	0.000
85	5.1	3.9	1.2	5.1	0.049	0.039	0.000
90	5.3	4.0	1.3	5.3	0.050	0.039	0.000
95	5.6	4.2	1.3	5.6	0.051	0.040	0.000
100	5.8	4.4	1.4	5.8	0.053	0.041	0.000
105	6.2	4.7	1.5	6.2	0.054	0.043	0.000
110	6.7	5.1	1.6	6.7	0.056	0.044	0.000
115	7.2	5.5	1.7	7.2	0.058	0.046	0.000
120	8.0	6.0	1.9	8.0	0.061	0.048	0.000
125	8.9	6.7	2.1	8.9	0.065	0.051	0.000
130	9.9	7.5	2.4	9.9	0.068	0.054	0.000
135	11.5	8.7	2.8	11.5	0.074	0.058	0.000
140	13.2	10.0	3.2	13.2	0.079	0.062	0.000
145	15.5	11.7	3.8	15.5	0.086	0.067	0.000
150	18.0	13.6	4.4	18.0	0.093	0.073	0.000
155	20.6	15.6	5.0	20.6	0.100	0.079	0.000
160	23.7	18.0	5.7	23.7	0.108	0.085	0.000
165	26.8	20.4	6.5	26.8	0.114	0.089	0.000
170	30.4	23.1	7.3	30.4	0.127	0.100	0.000
175	34.9	26.6	8.3	34.9	0.297	0.233	0.000
180	67.8	58.5	9.3	67.8	0.398	0.313	0.000
185	42.8	33.4	9.3	42.8	0.246	0.193	0.000
190	37.7	29.3	8.4	37.7	0.244	0.191	0.000
195	-73.7	-81.1	7.4	13.6	1.409	1.106	0.000
200	90.8	84.3	6.5	90.8	0.248	0.195	0.000
205	25.2	19.4	5.8	25.2	0.116	0.091	0.000
210	22.0	16.9	5.0	22.0	0.206	0.162	0.000
215	19.0	14.6	4.4	19.0	0.210	0.165	0.000
220	16.4	12.6	3.8	16.4	0.140	0.110	0.000
225	13.9	10.7	3.2	13.9	0.144	0.113	0.000
230	12.4	9.6	2.8	12.4	0.222	0.174	0.000
235	10.4	8.0	2.4	10.4	0.128	0.101	0.000
240	9.2	7.0	2.1	9.2	0.071	0.056	0.000
245	53.8	51.9	1.9	53.8	0.223	0.175	0.000
250	8.0	6.2	1.7	8.0	0.061	0.048	0.000
255	6.9	5.3	1.6	6.9	0.056	0.044	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	1.4	1.4
10	3.1	3.1
15	3.5	3.5
20	3.5	3.5
25	3.6	3.6
30	3.7	3.7
35	3.7	3.7
40	3.8	3.8
45	3.9	3.9
50	4.0	4.0
55	4.1	4.1
60	4.2	4.2
65	4.4	4.4
70	4.5	4.5
75	4.7	4.7
80	4.9	4.9
85	5.1	5.1
90	5.3	5.3
95	5.5	5.5
100	5.8	5.8
105	6.2	6.2
110	6.6	6.6
115	7.1	7.1
120	7.9	7.9
125	8.8	8.8
130	9.8	9.8
135	11.3	11.3
140	13.1	13.1
145	15.3	15.3
150	17.8	17.8
155	20.4	20.4
160	23.5	23.5
165	26.8	26.8
170	29.9	29.9
175	31.7	31.7
180	22.0	22.0
185	56.0	56.0
190	34.1	34.1
195	16.7	16.7
200	90.7	90.7
205	23.9	23.9
210	34.6	34.6
215	18.2	18.2
220	16.9	16.9
225	3.0	3.0
230	57.7	57.7
235	6.6	6.6
240	6.8	6.8
245	90.3	90.3
250	8.6	8.6
255	6.8	6.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
260	6.4	4.9	1.5	6.4	0.055	0.043	0.000
265	6.0	4.6	1.4	6.0	0.054	0.042	0.000
270	5.7	4.4	1.3	5.7	0.052	0.041	0.000
275	5.4	4.2	1.3	5.4	0.051	0.040	0.000
280	5.2	4.0	1.2	5.2	0.050	0.039	0.000
285	5.0	3.8	1.2	5.0	0.049	0.038	0.000
290	4.8	3.7	1.1	4.8	0.048	0.038	0.000
295	4.6	3.5	1.1	4.6	0.047	0.037	0.000
300	4.5	3.4	1.1	4.5	0.046	0.036	0.000
305	4.3	3.3	1.0	4.3	0.046	0.036	0.000
310	4.2	3.2	1.0	4.2	0.045	0.035	0.000
315	4.0	3.1	0.9	4.0	0.044	0.035	0.000
320	3.9	3.0	0.9	3.9	0.043	0.034	0.000
325	3.9	3.0	0.9	3.9	0.043	0.034	0.000
330	3.8	2.9	0.9	3.8	0.043	0.033	0.000
335	3.7	2.9	0.9	3.7	0.042	0.033	0.000
340	3.6	2.8	0.9	3.6	0.042	0.033	0.000
345	3.6	2.7	0.8	3.6	0.041	0.033	0.000
350	3.5	2.7	0.8	3.5	0.041	0.032	0.000
355	3.4	2.6	0.8	3.4	0.041	0.032	0.000
360	3.4	2.6	0.8	3.4	0.040	0.032	0.000
365	1.0	1.0	0.0	1.0	0.026	0.021	0.000
370	0.3	0.3	0.0	0.3	0.014	0.011	0.000
375	0.1	0.1	0.0	0.1	0.010	0.008	0.000
380	0.0	0.0	0.0	0.0	0.007	0.006	0.000
385	0.0	0.0	0.0	0.0	0.006	0.004	0.000
390	0.0	0.0	0.0	0.0	0.004	0.003	0.000
395	0.0	0.0	0.0	0.0	0.003	0.002	0.000
400	0.0	0.0	0.0	0.0	0.002	0.001	0.000
405	0.0	0.0	0.0	0.0	0.002	0.001	0.000
410	0.0	0.0	0.0	0.0	0.002	0.001	0.000
415	0.0	0.0	0.0	0.0	0.002	0.001	0.000
420	0.0	0.0	0.0	0.0	0.001	0.001	0.000
425	0.0	0.0	0.0	0.0	0.001	0.001	0.000
430	0.0	0.0	0.0	0.0	0.001	0.001	0.000
435	0.0	0.0	0.0	0.0	0.001	0.001	0.000
440	0.0	0.0	0.0	0.0	0.001	0.001	0.000
445	0.0	0.0	0.0	0.0	0.001	0.001	0.000
450	0.0	0.0	0.0	0.0	0.001	0.001	0.000
455	0.0	0.0	0.0	0.0	0.001	0.001	0.000
460	0.0	0.0	0.0	0.0	0.001	0.001	0.000
465	0.0	0.0	0.0	0.0	0.001	0.001	0.000
470	0.0	0.0	0.0	0.0	0.001	0.001	0.000
475	0.0	0.0	0.0	0.0	0.001	0.001	0.000
480	0.0	0.0	0.0	0.0	0.001	0.001	0.000
485	0.0	0.0	0.0	0.0	0.001	0.001	0.000
490	0.0	0.0	0.0	0.0	0.001	0.001	0.000
495	0.0	0.0	0.0	0.0	0.001	0.000	0.000
500	0.0	0.0	0.0	0.0	0.001	0.000	0.000
505	0.0	0.0	0.0	0.0	0.001	0.000	0.000
510	0.0	0.0	0.0	0.0	0.001	0.000	0.000
515	0.0	0.0	0.0	0.0	0.001	0.000	0.000
520	0.0	0.0	0.0	0.0	0.000	0.000	0.000
525	0.0	0.0	0.0	0.0	0.000	0.000	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
260	6.5	6.5
265	6.1	6.1
270	5.7	5.7
275	5.5	5.5
280	5.2	5.2
285	5.0	5.0
290	4.8	4.8
295	4.6	4.6
300	4.5	4.5
305	4.3	4.3
310	4.2	4.2
315	4.1	4.1
320	4.0	4.0
325	3.9	3.9
330	3.8	3.8
335	3.7	3.7
340	3.7	3.7
345	3.6	3.6
350	3.5	3.5
355	3.5	3.5
360	3.4	3.4
365	1.4	1.4
370	0.3	0.3
375	0.1	0.1
380	0.1	0.1
385	0.0	0.0
390	0.0	0.0
395	0.0	0.0
400	0.0	0.0
405	0.0	0.0
410	0.0	0.0
415	0.0	0.0
420	0.0	0.0
425	0.0	0.0
430	0.0	0.0
435	0.0	0.0
440	0.0	0.0
445	0.0	0.0
450	0.0	0.0
455	0.0	0.0
460	0.0	0.0
465	0.0	0.0
470	0.0	0.0
475	0.0	0.0
480	0.0	0.0
485	0.0	0.0
490	0.0	0.0
495	0.0	0.0
500	0.0	0.0
505	0.0	0.0
510	0.0	0.0
515	0.0	0.0
520	0.0	0.0
525	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
530	0.0	0.0	0.0	0.0	0.000	0.000	0.000
535	0.0	0.0	0.0	0.0	0.000	0.000	0.000
540	0.0	0.0	0.0	0.0	0.000	0.000	0.000
545	0.0	0.0	0.0	0.0	0.000	0.000	0.000
550	0.0	0.0	0.0	0.0	0.000	0.000	0.000
555	0.0	0.0	0.0	0.0	0.000	0.000	0.000
560	0.0	0.0	0.0	0.0	0.000	0.000	0.000
565	0.0	0.0	0.0	0.0	0.000	0.000	0.000
570	0.0	0.0	0.0	0.0	0.000	0.000	0.000
575	0.0	0.0	0.0	0.0	0.000	0.000	0.000
580	0.0	0.0	0.0	0.0	0.000	0.000	0.000
585	0.0	0.0	0.0	0.0	0.000	0.000	0.000
590	0.0	0.0	0.0	0.0	0.000	0.000	0.000
595	0.0	0.0	0.0	0.0	0.000	0.000	0.000
600	0.0	0.0	0.0	0.0	0.000	0.000	0.000
605	0.0	0.0	0.0	0.0	0.000	0.000	0.000
610	0.0	0.0	0.0	0.0	0.000	0.000	0.000
615	0.0	0.0	0.0	0.0	0.000	0.000	0.000
620	0.0	0.0	0.0	0.0	0.000	0.000	0.000
625	0.0	0.0	0.0	0.0	0.000	0.000	0.000
630	0.0	0.0	0.0	0.0	0.000	0.000	0.000
635	0.0	0.0	0.0	0.0	0.000	0.000	0.000
640	0.0	0.0	0.0	0.0	0.000	0.000	0.000
645	0.0	0.0	0.0	0.0	0.000	0.000	0.000
650	0.0	0.0	0.0	0.0	0.000	0.000	0.000
655	0.0	0.0	0.0	0.0	0.000	0.000	0.000
660	0.0	0.0	0.0	0.0	0.000	0.000	0.000
665	0.0	0.0	0.0	0.0	0.000	0.000	0.000
670	0.0	0.0	0.0	0.0	0.000	0.000	0.000
675	0.0	0.0	0.0	0.0	0.000	0.000	0.000
680	0.0	0.0	0.0	0.0	0.000	0.000	0.000
685	0.0	0.0	0.0	0.0	0.000	0.000	0.000
690	0.0	0.0	0.0	0.0	0.000	0.000	0.000
695	0.0	0.0	0.0	0.0	0.000	0.000	0.000
700	0.0	0.0	0.0	0.0	0.000	0.000	0.000
705	0.0	0.0	0.0	0.0	0.000	0.000	0.000
710	0.0	0.0	0.0	0.0	0.000	0.000	0.000
715	0.0	0.0	0.0	0.0	0.000	0.000	0.000
720	0.0	0.0	0.0	0.0	0.000	0.000	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Outlet(L/s)	Total Outflow (L/s)
530	0.0	0.0
535	0.0	0.0
540	0.0	0.0
545	0.0	0.0
550	0.0	0.0
555	0.0	0.0
560	0.0	0.0
565	0.0	0.0
570	0.0	0.0
575	0.0	0.0
580	0.0	0.0
585	0.0	0.0
590	0.0	0.0
595	0.0	0.0
600	0.0	0.0
605	0.0	0.0
610	0.0	0.0
615	0.0	0.0
620	0.0	0.0
625	0.0	0.0
630	0.0	0.0
635	0.0	0.0
640	0.0	0.0
645	0.0	0.0
650	0.0	0.0
655	0.0	0.0
660	0.0	0.0
665	0.0	0.0
670	0.0	0.0
675	0.0	0.0
680	0.0	0.0
685	0.0	0.0
690	0.0	0.0
695	0.0	0.0
700	0.0	0.0
705	0.0	0.0
710	0.0	0.0
715	0.0	0.0
720	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		

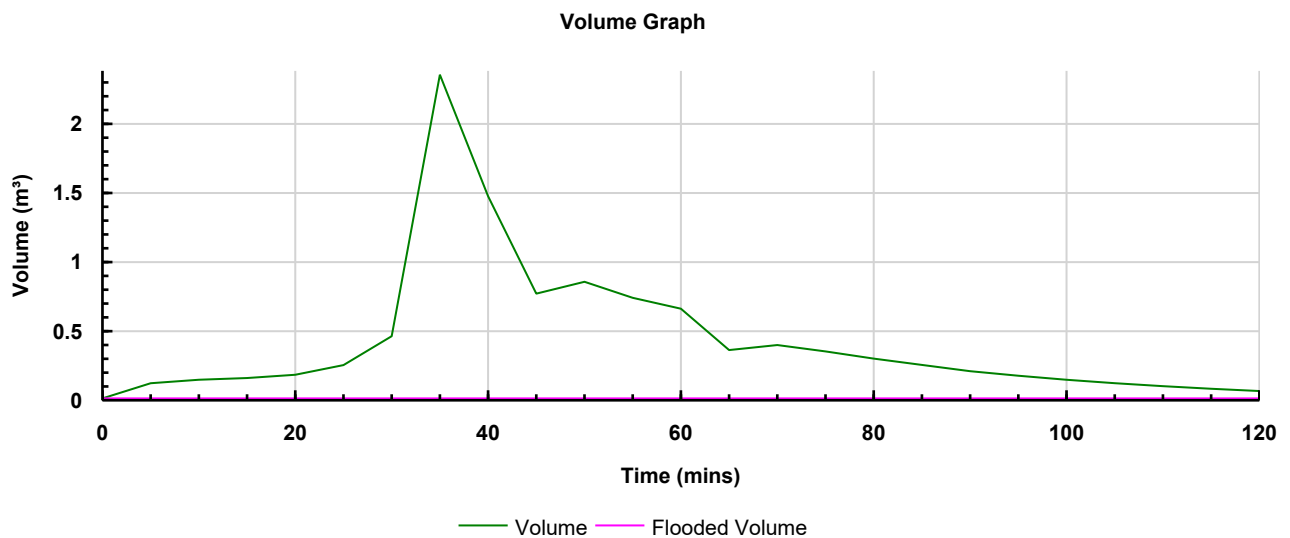
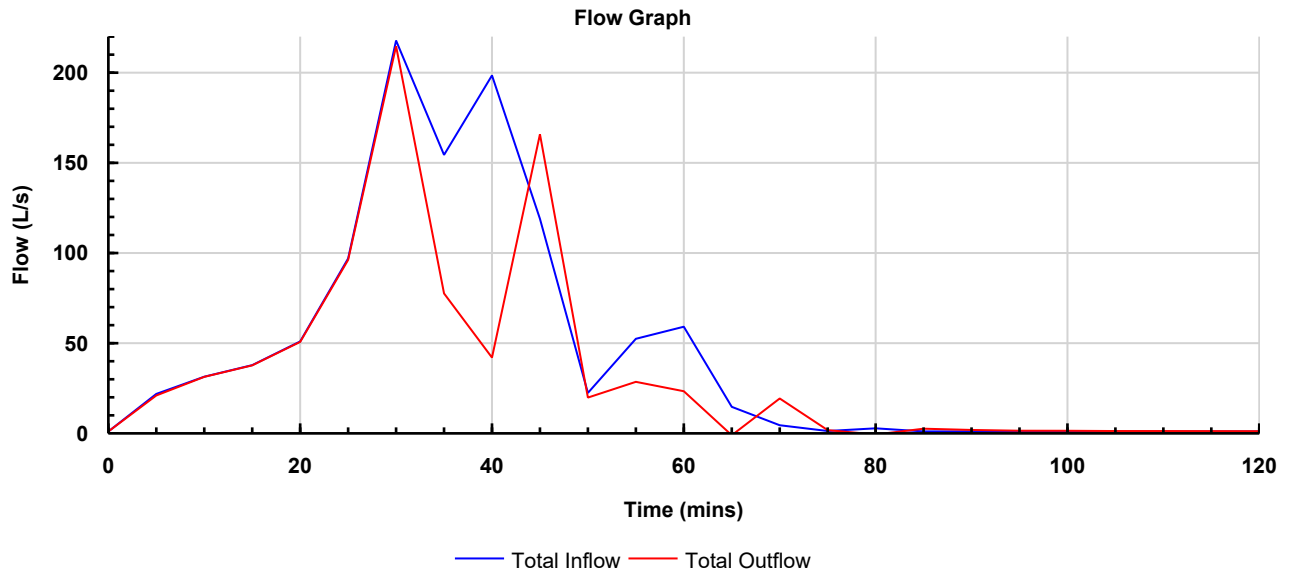


SMH-04

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

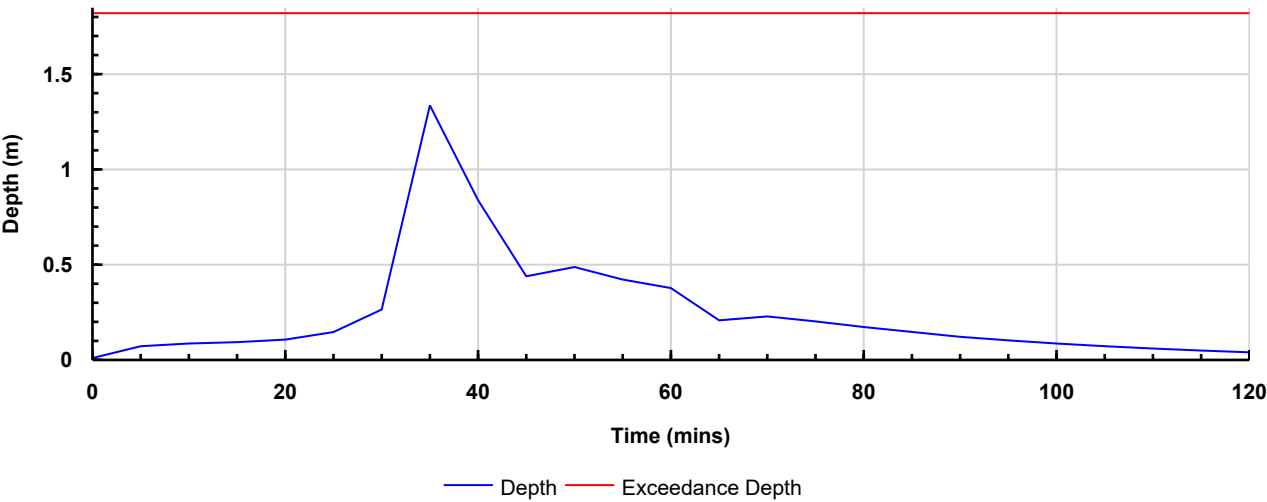
Type : Manhole

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0			
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF				

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	20.9	12.0	8.9	20.9	0.062	0.110	0.000
10	30.5	20.4	10.2	30.5	0.077	0.136	0.000
15	37.0	24.6	12.4	37.0	0.084	0.148	0.000
20	50.2	33.2	17.0	50.2	0.097	0.172	0.000
25	96.4	62.9	33.5	96.4	0.137	0.242	0.000
30	217.8	142.1	75.7	217.8	0.256	0.453	0.000
35	154.1	78.3	75.8	154.1	1.333	2.356	0.000
40	198.3	163.2	35.2	198.4	0.833	1.471	0.000
45	118.5	101.4	17.1	118.5	0.431	0.762	0.000
50	18.8	6.4	12.4	21.5	0.480	0.849	0.000
55	51.6	41.4	10.2	51.6	0.414	0.732	0.000
60	58.3	49.3	9.0	58.4	0.369	0.653	0.000
65	11.6	11.6	0.0	13.7	0.199	0.352	0.000
70	3.5	3.5	0.0	3.5	0.220	0.388	0.000
75	0.3	0.3	0.0	0.3	0.193	0.342	0.000
80	0.1	0.1	0.0	1.8	0.164	0.289	0.000
85	0.0	0.0	0.0	0.0	0.138	0.244	0.000
90	0.0	0.0	0.0	0.0	0.112	0.198	0.000
95	0.0	0.0	0.0	0.0	0.093	0.165	0.000
100	0.0	0.0	0.0	0.0	0.077	0.136	0.000
105	0.0	0.0	0.0	0.0	0.063	0.111	0.000
110	0.0	0.0	0.0	0.0	0.050	0.089	0.000
115	0.0	0.0	0.0	0.0	0.040	0.070	0.000
120	0.0	0.0	0.0	0.0	0.030	0.054	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0			
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF				

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	20.1	20.1
10	30.4	30.4
15	36.8	36.8
20	49.9	49.9
25	95.6	95.6
30	214.7	214.7
35	76.9	76.9
40	41.2	41.2
45	165.6	165.6
50	18.9	18.9
55	27.7	27.7
60	22.4	22.4
65	-2.1	-2.1
70	18.4	18.4
75	0.7	0.7
80	-1.7	-1.7
85	1.5	1.5
90	0.9	0.9
95	0.4	0.4
100	0.4	0.4
105	0.2	0.2
110	0.2	0.2
115	0.2	0.2
120	0.2	0.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



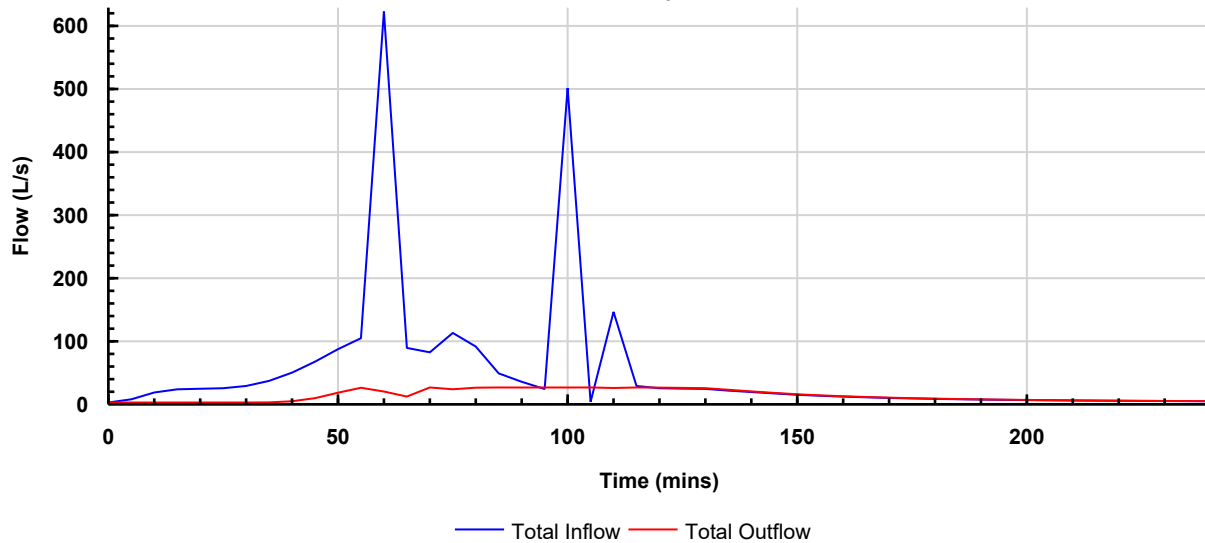
SMH-06

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 120 mins: Winter

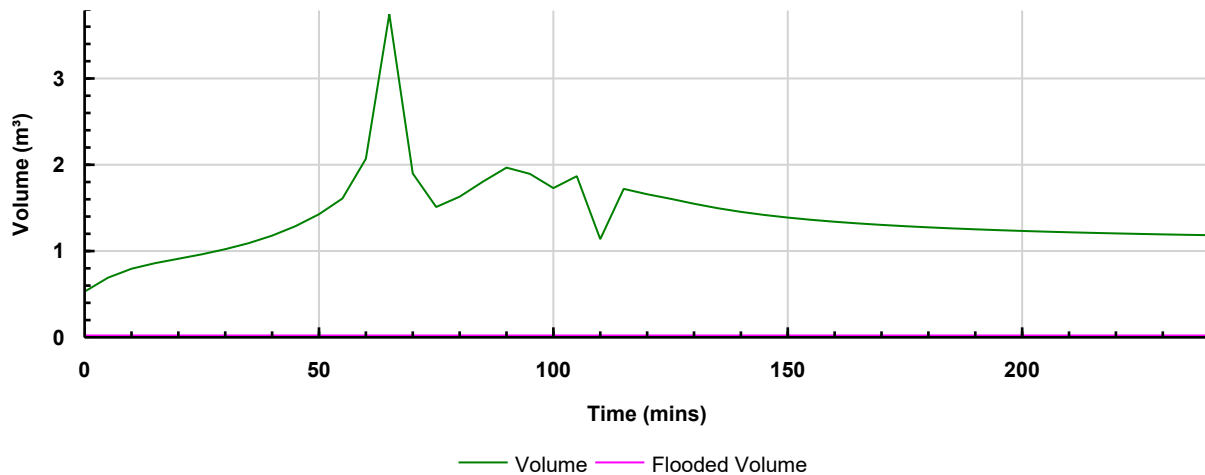
Type : Manhole

Graphs

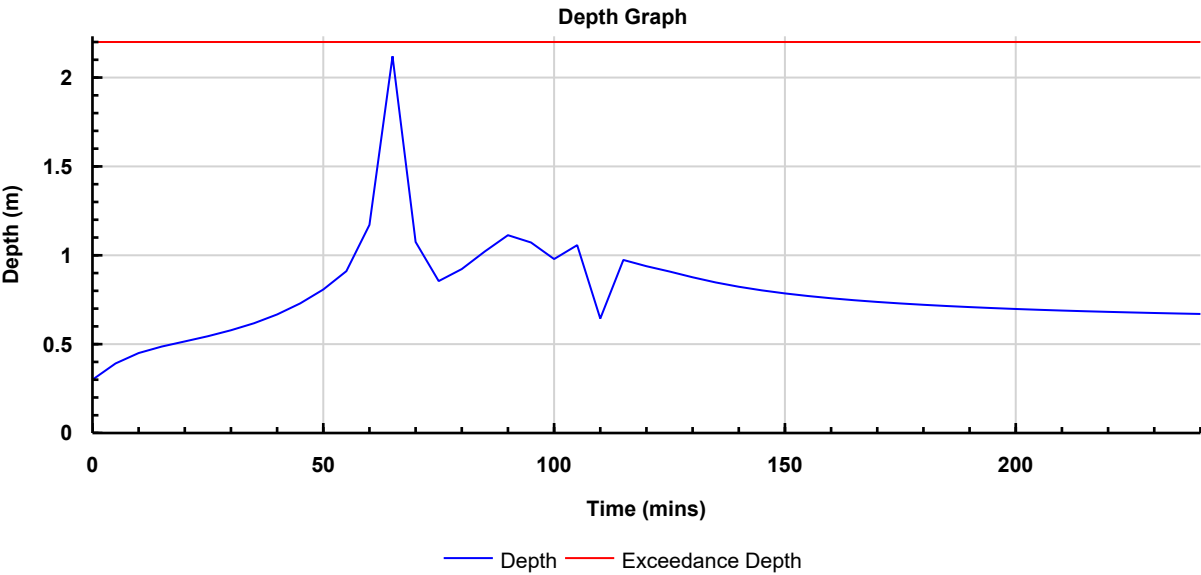
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	2.7	2.7	5.1	0.391	0.692	0.000	0.0
10	1.0	1.0	15.9	0.450	0.795	0.000	0.0
15	0.6	0.6	21.0	0.486	0.860	0.000	0.0
20	0.8	0.8	21.9	0.515	0.911	0.000	0.0
25	0.8	0.8	22.7	0.545	0.962	0.000	0.0
30	0.9	0.9	26.3	0.578	1.022	0.000	0.0
35	1.7	1.7	34.4	0.618	1.091	0.000	0.2
40	4.3	4.3	47.5	0.667	1.179	0.000	1.9
45	10.4	10.4	65.0	0.729	1.289	0.000	6.9
50	19.9	19.9	84.9	0.807	1.427	0.000	15.6
55	27.8	27.8	102.4	0.911	1.609	0.000	23.4
60	584.0	584.0	622.7	1.171	2.069	0.000	17.5
65	79.6	79.6	86.9	2.120	3.746	0.000	9.4
70	31.2	31.2	79.9	1.075	1.900	0.000	23.9
75	-49.2	-49.2	110.8	0.855	1.511	0.000	21.0
80	32.5	32.5	89.1	0.923	1.630	0.000	23.6
85	26.0	26.0	46.3	1.022	1.805	0.000	23.9
90	31.7	31.7	33.0	1.113	1.967	0.000	23.8
95	21.3	21.3	21.4	1.072	1.894	0.000	23.9
100	500.9	500.9	500.9	0.979	1.730	0.000	23.9
105	-16.1	-16.1	1.0	1.057	1.868	0.000	23.9
110	-344.1	-344.1	144.4	0.644	1.138	0.000	23.1
115	26.0	26.0	26.3	0.974	1.721	0.000	23.9
120	22.7	22.7	22.7	0.939	1.658	0.000	23.7
125	22.1	22.1	22.1	0.909	1.606	0.000	23.3
130	21.7	21.7	21.7	0.876	1.548	0.000	22.8
135	18.9	18.9	18.9	0.847	1.497	0.000	20.2
140	16.6	16.6	16.6	0.823	1.454	0.000	17.7
145	14.4	14.4	14.4	0.803	1.418	0.000	15.3
150	12.3	12.3	12.3	0.785	1.388	0.000	13.1
155	10.7	10.7	10.7	0.771	1.362	0.000	11.4
160	9.3	9.3	9.3	0.758	1.340	0.000	9.9
165	8.2	8.2	8.2	0.747	1.320	0.000	8.7
170	7.3	7.3	7.3	0.738	1.303	0.000	7.7
175	6.4	6.4	6.4	0.729	1.288	0.000	6.8
180	5.7	5.7	5.7	0.721	1.275	0.000	6.1
185	5.2	5.2	5.2	0.715	1.263	0.000	5.5
190	4.6	4.6	4.6	0.709	1.252	0.000	4.9
195	4.2	4.2	4.2	0.703	1.242	0.000	4.5
200	3.8	3.8	3.8	0.698	1.233	0.000	4.1
205	3.5	3.5	3.5	0.693	1.225	0.000	3.7
210	3.2	3.2	3.2	0.689	1.218	0.000	3.4
215	2.9	2.9	2.9	0.685	1.211	0.000	3.1
220	2.7	2.7	2.7	0.682	1.204	0.000	2.8
225	2.5	2.5	2.5	0.678	1.199	0.000	2.6
230	2.3	2.3	2.3	0.675	1.193	0.000	2.4
235	2.1	2.1	2.1	0.673	1.188	0.000	2.3
240	2.0	2.0	2.0	0.670	1.184	0.000	2.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.2
40	1.9
45	6.9
50	15.6
55	23.4
60	17.5
65	9.4
70	23.9
75	21.0
80	23.6
85	23.9
90	23.8
95	23.9
100	23.9
105	23.9
110	23.1
115	23.9
120	23.7
125	23.3
130	22.8
135	20.2
140	17.7
145	15.3
150	13.1
155	11.4
160	9.9
165	8.7
170	7.7
175	6.8
180	6.1
185	5.5
190	4.9
195	4.5
200	4.1
205	3.7
210	3.4
215	3.1
220	2.8
225	2.6
230	2.4
235	2.3
240	2.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



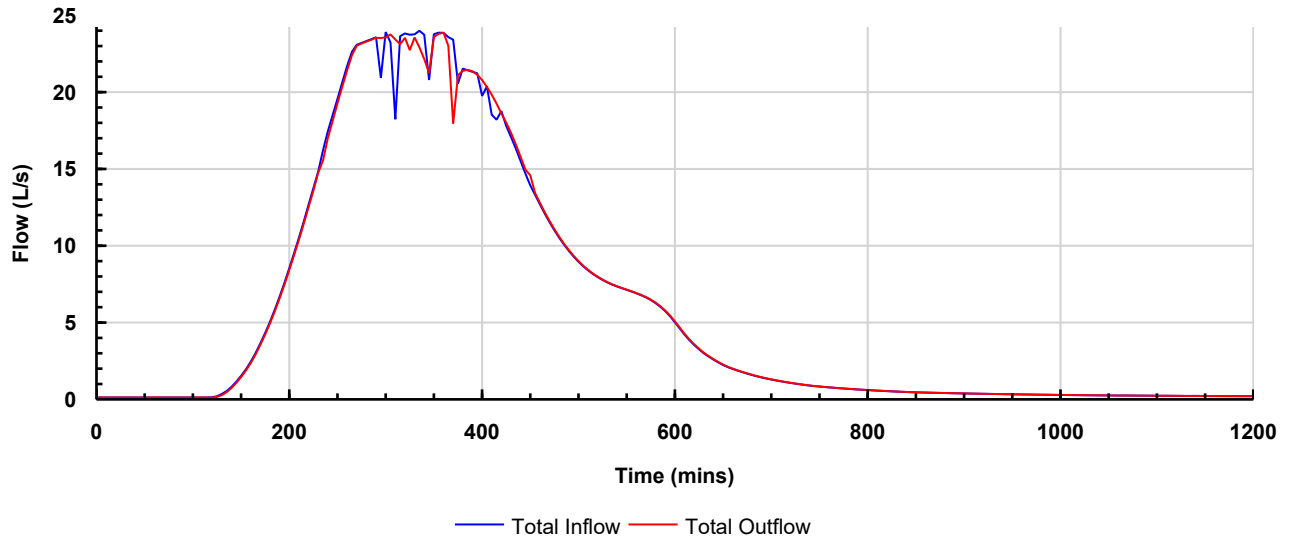
Existing MH 01

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 600 mins: Winter

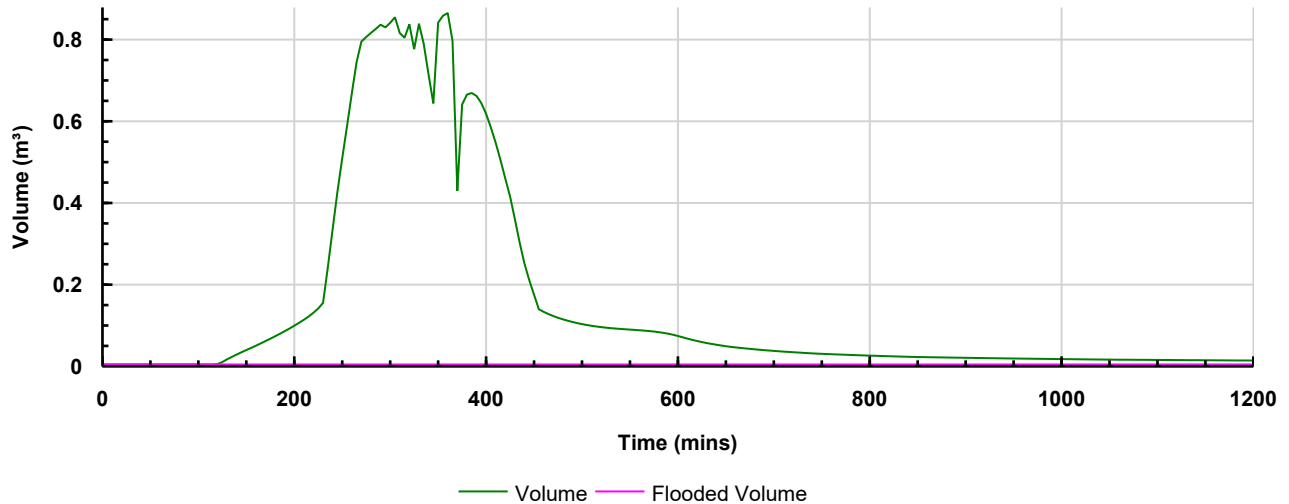
Type : Manhole

Graphs

Flow Graph

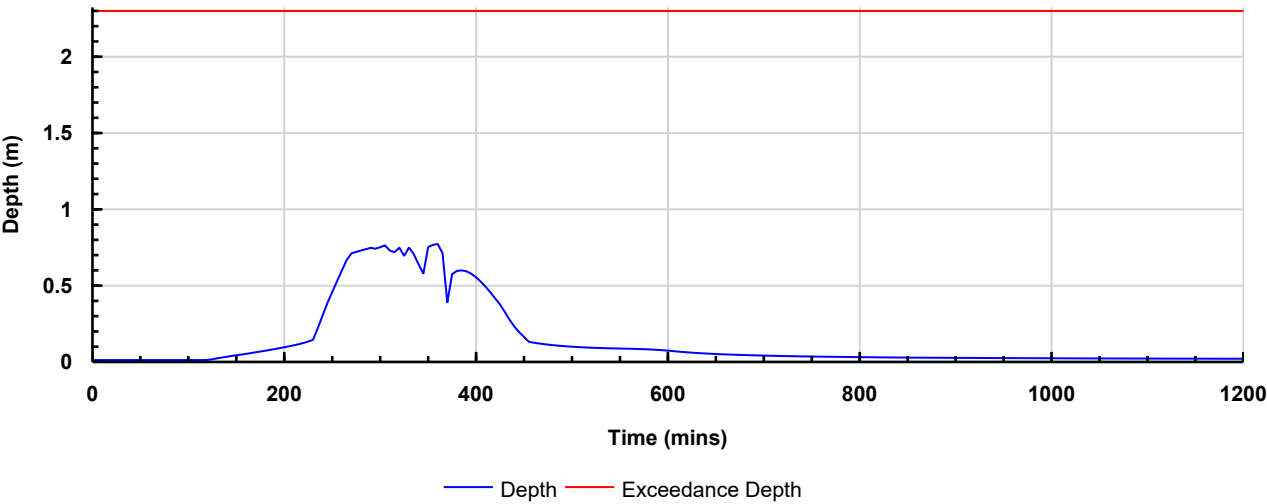


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.0	0.0	0.000	0.000	0.000	0.0
10	0.0	0.0	0.0	0.000	0.000	0.000	0.0
15	0.0	0.0	0.0	0.000	0.000	0.000	0.0
20	0.0	0.0	0.0	0.000	0.000	0.000	0.0
25	0.0	0.0	0.0	0.000	0.000	0.000	0.0
30	0.0	0.0	0.0	0.000	0.000	0.000	0.0
35	0.0	0.0	0.0	0.000	0.000	0.000	0.0
40	0.0	0.0	0.0	0.000	0.000	0.000	0.0
45	0.0	0.0	0.0	0.000	0.000	0.000	0.0
50	0.0	0.0	0.0	0.000	0.000	0.000	0.0
55	0.0	0.0	0.0	0.000	0.000	0.000	0.0
60	0.0	0.0	0.0	0.000	0.000	0.000	0.0
65	0.0	0.0	0.0	0.000	0.000	0.000	0.0
70	0.0	0.0	0.0	0.000	0.000	0.000	0.0
75	0.0	0.0	0.0	0.000	0.000	0.000	0.0
80	0.0	0.0	0.0	0.000	0.000	0.000	0.0
85	0.0	0.0	0.0	0.000	0.000	0.000	0.0
90	0.0	0.0	0.0	0.000	0.000	0.000	0.0
95	0.0	0.0	0.0	0.000	0.000	0.000	0.0
100	0.0	0.0	0.0	0.000	0.000	0.000	0.0
105	0.0	0.0	0.0	0.000	0.000	0.000	0.0
110	0.0	0.0	0.0	0.000	0.000	0.000	0.0
115	0.0	0.0	0.0	0.000	0.000	0.000	0.0
120	0.0	0.0	0.0	0.001	0.001	0.000	0.0
125	0.1	0.1	0.1	0.005	0.006	0.000	0.0
130	0.2	0.2	0.2	0.011	0.013	0.000	0.2
135	0.4	0.4	0.4	0.016	0.019	0.000	0.3
140	0.7	0.7	0.7	0.022	0.025	0.000	0.6
145	1.0	1.0	1.0	0.027	0.030	0.000	1.0
150	1.4	1.4	1.4	0.031	0.036	0.000	1.3
155	1.8	1.8	1.8	0.036	0.041	0.000	1.8
160	2.3	2.3	2.3	0.041	0.046	0.000	2.2
165	2.9	2.9	2.9	0.046	0.052	0.000	2.8
170	3.5	3.5	3.5	0.051	0.058	0.000	3.4
175	4.2	4.2	4.2	0.056	0.063	0.000	4.1
180	5.0	5.0	5.0	0.061	0.069	0.000	4.9
185	5.8	5.8	5.8	0.067	0.076	0.000	5.6
190	6.6	6.6	6.6	0.072	0.082	0.000	6.5
195	7.5	7.5	7.5	0.078	0.088	0.000	7.4
200	8.5	8.5	8.5	0.084	0.095	0.000	8.3
205	9.4	9.4	9.4	0.091	0.102	0.000	9.3
210	10.5	10.5	10.5	0.097	0.110	0.000	10.3
215	11.5	11.5	11.5	0.104	0.118	0.000	11.4
220	12.6	12.6	12.6	0.113	0.127	0.000	12.5
225	13.7	13.7	13.7	0.122	0.138	0.000	13.5
230	14.8	14.8	14.8	0.134	0.151	0.000	14.7
235	16.2	16.2	16.2	0.211	0.239	0.000	15.5
240	17.4	17.4	17.4	0.294	0.333	0.000	17.0
245	18.5	18.5	18.5	0.376	0.425	0.000	18.1
250	19.5	19.5	19.5	0.449	0.507	0.000	19.3
255	20.6	20.6	20.6	0.519	0.587	0.000	20.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.0
40	0.0
45	0.0
50	0.0
55	0.0
60	0.0
65	0.0
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0
95	0.0
100	0.0
105	0.0
110	0.0
115	0.0
120	0.0
125	0.0
130	0.2
135	0.3
140	0.6
145	1.0
150	1.3
155	1.8
160	2.2
165	2.8
170	3.4
175	4.1
180	4.9
185	5.6
190	6.5
195	7.4
200	8.3
205	9.3
210	10.3
215	11.4
220	12.5
225	13.5
230	14.7
235	15.5
240	17.0
245	18.1
250	19.3
255	20.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
260	21.7	21.7	21.7	0.590	0.667	0.000	21.4
265	22.6	22.6	22.6	0.658	0.745	0.000	22.4
270	23.1	23.1	23.1	0.703	0.795	0.000	23.0
275	23.2	23.2	23.2	0.713	0.806	0.000	23.2
280	23.3	23.3	23.3	0.722	0.816	0.000	23.3
285	23.4	23.4	23.4	0.730	0.826	0.000	23.4
290	23.6	23.6	23.6	0.739	0.836	0.000	23.5
295	20.9	20.9	20.9	0.734	0.830	0.000	23.5
300	23.9	23.9	23.9	0.744	0.841	0.000	23.6
305	23.2	23.2	23.2	0.755	0.854	0.000	23.8
310	18.2	18.2	18.2	0.721	0.816	0.000	23.4
315	23.6	23.6	23.6	0.711	0.804	0.000	23.1
320	23.8	23.8	23.8	0.740	0.837	0.000	23.5
325	23.7	23.7	23.7	0.686	0.776	0.000	22.7
330	23.8	23.8	23.8	0.742	0.839	0.000	23.6
335	24.0	24.0	24.0	0.697	0.789	0.000	22.9
340	23.7	23.7	23.7	0.631	0.714	0.000	22.1
345	20.8	20.8	20.8	0.568	0.643	0.000	21.2
350	23.8	23.8	23.8	0.744	0.841	0.000	23.6
355	23.9	23.9	23.9	0.759	0.858	0.000	23.8
360	23.9	23.9	23.9	0.765	0.865	0.000	23.9
365	23.6	23.6	23.6	0.704	0.796	0.000	23.0
370	23.4	23.4	23.4	0.378	0.427	0.000	17.9
375	20.6	20.6	20.6	0.566	0.640	0.000	21.1
380	21.5	21.5	21.5	0.587	0.664	0.000	21.4
385	21.4	21.4	21.4	0.591	0.668	0.000	21.4
390	21.3	21.3	21.3	0.584	0.661	0.000	21.3
395	21.2	21.2	21.2	0.569	0.643	0.000	21.1
400	19.7	19.7	19.7	0.545	0.617	0.000	20.8
405	20.4	20.4	20.4	0.516	0.583	0.000	20.3
410	18.5	18.5	18.5	0.482	0.545	0.000	19.8
415	18.2	18.2	18.2	0.445	0.503	0.000	19.2
420	18.7	18.7	18.7	0.405	0.458	0.000	18.6
425	17.8	17.8	17.8	0.366	0.414	0.000	18.0
430	17.0	17.0	17.0	0.316	0.358	0.000	17.3
435	16.3	16.3	16.3	0.265	0.300	0.000	16.6
440	15.5	15.5	15.5	0.219	0.248	0.000	15.7
445	14.6	14.6	14.6	0.183	0.208	0.000	14.9
450	13.9	13.9	13.9	0.152	0.172	0.000	14.5
455	13.3	13.3	13.3	0.120	0.136	0.000	13.4
460	12.6	12.6	12.6	0.115	0.130	0.000	12.7
465	12.0	12.0	12.0	0.110	0.124	0.000	12.1
470	11.5	11.5	11.5	0.105	0.119	0.000	11.5
475	10.9	10.9	10.9	0.102	0.115	0.000	11.0
480	10.4	10.4	10.4	0.098	0.111	0.000	10.5
485	10.0	10.0	10.0	0.095	0.108	0.000	10.1
490	9.6	9.6	9.6	0.092	0.105	0.000	9.6
495	9.2	9.2	9.2	0.090	0.102	0.000	9.3
500	8.9	8.9	8.9	0.088	0.099	0.000	8.9
505	8.6	8.6	8.6	0.086	0.097	0.000	8.6
510	8.3	8.3	8.3	0.084	0.095	0.000	8.3
515	8.1	8.1	8.1	0.083	0.093	0.000	8.1
520	7.9	7.9	7.9	0.081	0.092	0.000	7.9
525	7.7	7.7	7.7	0.080	0.091	0.000	7.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
260	21.4
265	22.4
270	23.0
275	23.2
280	23.3
285	23.4
290	23.5
295	23.5
300	23.6
305	23.8
310	23.4
315	23.1
320	23.5
325	22.7
330	23.6
335	22.9
340	22.1
345	21.2
350	23.6
355	23.8
360	23.9
365	23.0
370	17.9
375	21.1
380	21.4
385	21.4
390	21.3
395	21.1
400	20.8
405	20.3
410	19.8
415	19.2
420	18.6
425	18.0
430	17.3
435	16.6
440	15.7
445	14.9
450	14.5
455	13.4
460	12.7
465	12.1
470	11.5
475	11.0
480	10.5
485	10.1
490	9.6
495	9.3
500	8.9
505	8.6
510	8.3
515	8.1
520	7.9
525	7.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
530	7.5	7.5	7.5	0.079	0.089	0.000	7.5
535	7.4	7.4	7.4	0.078	0.088	0.000	7.4
540	7.3	7.3	7.3	0.077	0.087	0.000	7.3
545	7.1	7.1	7.1	0.077	0.087	0.000	7.2
550	7.0	7.0	7.0	0.076	0.086	0.000	7.1
555	6.9	6.9	6.9	0.075	0.085	0.000	6.9
560	6.8	6.8	6.8	0.074	0.084	0.000	6.8
565	6.7	6.7	6.7	0.074	0.083	0.000	6.7
570	6.5	6.5	6.5	0.073	0.082	0.000	6.6
575	6.4	6.4	6.4	0.072	0.081	0.000	6.4
580	6.2	6.2	6.2	0.070	0.079	0.000	6.2
585	5.9	5.9	5.9	0.069	0.078	0.000	6.0
590	5.6	5.6	5.6	0.067	0.076	0.000	5.7
595	5.3	5.3	5.3	0.065	0.073	0.000	5.4
600	4.9	4.9	4.9	0.062	0.070	0.000	5.0
605	4.5	4.5	4.5	0.059	0.067	0.000	4.6
610	4.1	4.1	4.1	0.056	0.064	0.000	4.2
615	3.8	3.8	3.8	0.053	0.060	0.000	3.8
620	3.4	3.4	3.4	0.051	0.058	0.000	3.5
625	3.2	3.2	3.2	0.049	0.055	0.000	3.2
630	2.9	2.9	2.9	0.047	0.053	0.000	2.9
635	2.7	2.7	2.7	0.045	0.051	0.000	2.7
640	2.5	2.5	2.5	0.043	0.049	0.000	2.5
645	2.3	2.3	2.3	0.041	0.047	0.000	2.3
650	2.1	2.1	2.1	0.040	0.045	0.000	2.2
655	2.0	2.0	2.0	0.038	0.043	0.000	2.0
660	1.9	1.9	1.9	0.037	0.042	0.000	1.9
665	1.8	1.8	1.8	0.036	0.041	0.000	1.8
670	1.7	1.7	1.7	0.035	0.040	0.000	1.7
675	1.6	1.6	1.6	0.034	0.038	0.000	1.6
680	1.5	1.5	1.5	0.033	0.037	0.000	1.5
685	1.4	1.4	1.4	0.032	0.036	0.000	1.4
690	1.3	1.3	1.3	0.031	0.035	0.000	1.3
695	1.2	1.2	1.2	0.030	0.034	0.000	1.3
700	1.2	1.2	1.2	0.030	0.033	0.000	1.2
705	1.1	1.1	1.1	0.029	0.033	0.000	1.1
710	1.1	1.1	1.1	0.028	0.032	0.000	1.1
715	1.0	1.0	1.0	0.027	0.031	0.000	1.0
720	1.0	1.0	1.0	0.027	0.030	0.000	1.0
725	0.9	0.9	0.9	0.026	0.029	0.000	0.9
730	0.9	0.9	0.9	0.025	0.029	0.000	0.9
735	0.8	0.8	0.8	0.025	0.028	0.000	0.8
740	0.8	0.8	0.8	0.024	0.027	0.000	0.8
745	0.7	0.7	0.7	0.024	0.027	0.000	0.7
750	0.7	0.7	0.7	0.023	0.026	0.000	0.7
755	0.7	0.7	0.7	0.023	0.026	0.000	0.7
760	0.7	0.7	0.7	0.022	0.025	0.000	0.7
765	0.6	0.6	0.6	0.022	0.025	0.000	0.6
770	0.6	0.6	0.6	0.021	0.024	0.000	0.6
775	0.6	0.6	0.6	0.021	0.024	0.000	0.6
780	0.6	0.6	0.6	0.021	0.023	0.000	0.6
785	0.5	0.5	0.5	0.020	0.023	0.000	0.5
790	0.5	0.5	0.5	0.020	0.023	0.000	0.5
795	0.5	0.5	0.5	0.020	0.022	0.000	0.5

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
530	7.5
535	7.4
540	7.3
545	7.2
550	7.1
555	6.9
560	6.8
565	6.7
570	6.6
575	6.4
580	6.2
585	6.0
590	5.7
595	5.4
600	5.0
605	4.6
610	4.2
615	3.8
620	3.5
625	3.2
630	2.9
635	2.7
640	2.5
645	2.3
650	2.2
655	2.0
660	1.9
665	1.8
670	1.7
675	1.6
680	1.5
685	1.4
690	1.3
695	1.3
700	1.2
705	1.1
710	1.1
715	1.0
720	1.0
725	0.9
730	0.9
735	0.8
740	0.8
745	0.7
750	0.7
755	0.7
760	0.7
765	0.6
770	0.6
775	0.6
780	0.6
785	0.5
790	0.5
795	0.5

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
800	0.5	0.5	0.5	0.019	0.022	0.000	0.5
805	0.5	0.5	0.5	0.019	0.021	0.000	0.5
810	0.4	0.4	0.4	0.019	0.021	0.000	0.5
815	0.4	0.4	0.4	0.018	0.021	0.000	0.4
820	0.4	0.4	0.4	0.018	0.020	0.000	0.4
825	0.4	0.4	0.4	0.018	0.020	0.000	0.4
830	0.4	0.4	0.4	0.017	0.020	0.000	0.4
835	0.4	0.4	0.4	0.017	0.019	0.000	0.4
840	0.4	0.4	0.4	0.017	0.019	0.000	0.4
845	0.3	0.3	0.3	0.016	0.019	0.000	0.3
850	0.3	0.3	0.3	0.016	0.018	0.000	0.3
855	0.3	0.3	0.3	0.016	0.018	0.000	0.3
860	0.3	0.3	0.3	0.016	0.018	0.000	0.3
865	0.3	0.3	0.3	0.016	0.018	0.000	0.3
870	0.3	0.3	0.3	0.015	0.018	0.000	0.3
875	0.3	0.3	0.3	0.015	0.017	0.000	0.3
880	0.3	0.3	0.3	0.015	0.017	0.000	0.3
885	0.3	0.3	0.3	0.015	0.017	0.000	0.3
890	0.3	0.3	0.3	0.015	0.017	0.000	0.3
895	0.3	0.3	0.3	0.015	0.017	0.000	0.3
900	0.3	0.3	0.3	0.014	0.016	0.000	0.3
905	0.3	0.3	0.3	0.014	0.016	0.000	0.3
910	0.3	0.3	0.3	0.014	0.016	0.000	0.3
915	0.2	0.2	0.2	0.014	0.016	0.000	0.2
920	0.2	0.2	0.2	0.014	0.016	0.000	0.2
925	0.2	0.2	0.2	0.014	0.015	0.000	0.2
930	0.2	0.2	0.2	0.014	0.015	0.000	0.2
935	0.2	0.2	0.2	0.013	0.015	0.000	0.2
940	0.2	0.2	0.2	0.013	0.015	0.000	0.2
945	0.2	0.2	0.2	0.013	0.015	0.000	0.2
950	0.2	0.2	0.2	0.013	0.015	0.000	0.2
955	0.2	0.2	0.2	0.013	0.015	0.000	0.2
960	0.2	0.2	0.2	0.013	0.014	0.000	0.2
965	0.2	0.2	0.2	0.013	0.014	0.000	0.2
970	0.2	0.2	0.2	0.012	0.014	0.000	0.2
975	0.2	0.2	0.2	0.012	0.014	0.000	0.2
980	0.2	0.2	0.2	0.012	0.014	0.000	0.2
985	0.2	0.2	0.2	0.012	0.014	0.000	0.2
990	0.2	0.2	0.2	0.012	0.014	0.000	0.2
995	0.2	0.2	0.2	0.012	0.013	0.000	0.2
1000	0.2	0.2	0.2	0.012	0.013	0.000	0.2
1005	0.2	0.2	0.2	0.012	0.013	0.000	0.2
1010	0.2	0.2	0.2	0.011	0.013	0.000	0.2
1015	0.2	0.2	0.2	0.011	0.013	0.000	0.2
1020	0.2	0.2	0.2	0.011	0.013	0.000	0.2
1025	0.1	0.1	0.1	0.011	0.013	0.000	0.1
1030	0.1	0.1	0.1	0.011	0.012	0.000	0.1
1035	0.1	0.1	0.1	0.011	0.012	0.000	0.1
1040	0.1	0.1	0.1	0.011	0.012	0.000	0.1
1045	0.1	0.1	0.1	0.011	0.012	0.000	0.1
1050	0.1	0.1	0.1	0.011	0.012	0.000	0.1
1055	0.1	0.1	0.1	0.010	0.012	0.000	0.1
1060	0.1	0.1	0.1	0.010	0.012	0.000	0.1
1065	0.1	0.1	0.1	0.010	0.012	0.000	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
800	0.5
805	0.5
810	0.5
815	0.4
820	0.4
825	0.4
830	0.4
835	0.4
840	0.4
845	0.3
850	0.3
855	0.3
860	0.3
865	0.3
870	0.3
875	0.3
880	0.3
885	0.3
890	0.3
895	0.3
900	0.3
905	0.3
910	0.3
915	0.2
920	0.2
925	0.2
930	0.2
935	0.2
940	0.2
945	0.2
950	0.2
955	0.2
960	0.2
965	0.2
970	0.2
975	0.2
980	0.2
985	0.2
990	0.2
995	0.2
1000	0.2
1005	0.2
1010	0.2
1015	0.2
1020	0.2
1025	0.1
1030	0.1
1035	0.1
1040	0.1
1045	0.1
1050	0.1
1055	0.1
1060	0.1
1065	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
1070	0.1	0.1	0.1	0.010	0.012	0.000	0.1
1075	0.1	0.1	0.1	0.010	0.012	0.000	0.1
1080	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1085	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1090	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1095	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1100	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1105	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1110	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1115	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1120	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1125	0.1	0.1	0.1	0.010	0.011	0.000	0.1
1130	0.1	0.1	0.1	0.009	0.011	0.000	0.1
1135	0.1	0.1	0.1	0.009	0.011	0.000	0.1
1140	0.1	0.1	0.1	0.009	0.011	0.000	0.1
1145	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1150	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1155	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1160	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1165	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1170	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1175	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1180	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1185	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1190	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1195	0.1	0.1	0.1	0.009	0.010	0.000	0.1
1200	0.1	0.1	0.1	0.009	0.010	0.000	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
1070	0.1
1075	0.1
1080	0.1
1085	0.1
1090	0.1
1095	0.1
1100	0.1
1105	0.1
1110	0.1
1115	0.1
1120	0.1
1125	0.1
1130	0.1
1135	0.1
1140	0.1
1145	0.1
1150	0.1
1155	0.1
1160	0.1
1165	0.1
1170	0.1
1175	0.1
1180	0.1
1185	0.1
1190	0.1
1195	0.1
1200	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
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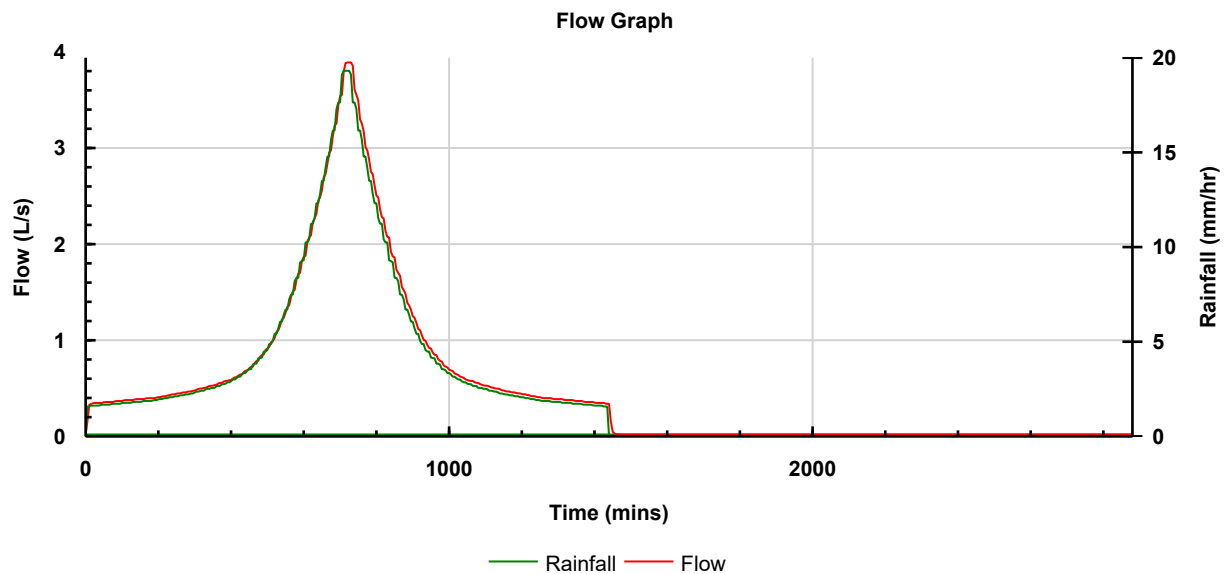


Pipe 1.01

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.010	0.1
10	0.016	0.3
15	0.017	0.3
20	0.017	0.3
25	0.017	0.3
30	0.017	0.3
35	0.017	0.3
40	0.017	0.3
45	0.017	0.3
50	0.017	0.3
55	0.017	0.3
60	0.017	0.3
65	0.017	0.3
70	0.017	0.3
75	0.017	0.3
80	0.017	0.3
85	0.018	0.3
90	0.018	0.3
95	0.018	0.4
100	0.018	0.4
105	0.018	0.4
110	0.018	0.4
115	0.018	0.4
120	0.018	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
125	0.018	0.4
130	0.018	0.4
135	0.018	0.4
140	0.018	0.4
145	0.018	0.4
150	0.018	0.4
155	0.018	0.4
160	0.018	0.4
165	0.018	0.4
170	0.018	0.4
175	0.018	0.4
180	0.018	0.4
185	0.018	0.4
190	0.018	0.4
195	0.018	0.4
200	0.018	0.4
205	0.018	0.4
210	0.019	0.4
215	0.019	0.4
220	0.019	0.4
225	0.019	0.4
230	0.019	0.4
235	0.019	0.4
240	0.019	0.4
245	0.019	0.4
250	0.019	0.4
255	0.019	0.4
260	0.019	0.4
265	0.019	0.4
270	0.019	0.4
275	0.019	0.4
280	0.020	0.4
285	0.020	0.4
290	0.020	0.4
295	0.020	0.5
300	0.020	0.5
305	0.020	0.5
310	0.020	0.5
315	0.020	0.5
320	0.020	0.5
325	0.020	0.5
330	0.020	0.5
335	0.021	0.5
340	0.021	0.5
345	0.021	0.5
350	0.021	0.5
355	0.021	0.5
360	0.021	0.5
365	0.021	0.5
370	0.021	0.5
375	0.021	0.5
380	0.022	0.6
385	0.022	0.6
390	0.022	0.6
395	0.022	0.6
400	0.022	0.6
405	0.022	0.6
410	0.022	0.6

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Time (mins)	Depth (m)	Flow (L/s)
415	0.022	0.6
420	0.023	0.6
425	0.023	0.6
430	0.023	0.6
435	0.023	0.7
440	0.024	0.7
445	0.024	0.7
450	0.024	0.7
455	0.024	0.7
460	0.024	0.7
465	0.025	0.7
470	0.025	0.8
475	0.025	0.8
480	0.026	0.8
485	0.026	0.8
490	0.026	0.8
495	0.027	0.9
500	0.027	0.9
505	0.027	0.9
510	0.028	1.0
515	0.028	1.0
520	0.029	1.0
525	0.029	1.1
530	0.030	1.1
535	0.030	1.1
540	0.031	1.2
545	0.031	1.2
550	0.032	1.3
555	0.033	1.3
560	0.033	1.3
565	0.034	1.4
570	0.034	1.5
575	0.035	1.5
580	0.036	1.6
585	0.036	1.7
590	0.037	1.7
595	0.038	1.8
600	0.038	1.9
605	0.038	1.9
610	0.040	2.0
615	0.040	2.1
620	0.041	2.1
625	0.042	2.2
630	0.042	2.3
635	0.043	2.3
640	0.044	2.4
645	0.044	2.5
650	0.045	2.6
655	0.046	2.7
660	0.046	2.7
665	0.047	2.8
670	0.048	2.9
675	0.048	3.0
680	0.049	3.1
685	0.050	3.2
690	0.050	3.3
695	0.052	3.4
700	0.053	3.5

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Time (mins)	Depth (m)	Flow (L/s)
705	0.053	3.6
710	0.054	3.8
715	0.055	3.9
720	0.055	3.9
725	0.055	3.9
730	0.055	3.9
735	0.055	3.9
740	0.053	3.6
745	0.053	3.5
750	0.052	3.5
755	0.051	3.3
760	0.050	3.3
765	0.050	3.2
770	0.049	3.0
775	0.048	3.0
780	0.048	2.9
785	0.046	2.7
790	0.046	2.7
795	0.045	2.6
800	0.044	2.5
805	0.044	2.5
810	0.043	2.4
815	0.042	2.3
820	0.042	2.3
825	0.041	2.1
830	0.040	2.1
835	0.040	2.1
840	0.039	1.9
845	0.038	1.9
850	0.038	1.9
855	0.037	1.7
860	0.037	1.7
865	0.036	1.7
870	0.035	1.5
875	0.035	1.5
880	0.034	1.5
885	0.033	1.4
890	0.033	1.4
895	0.032	1.3
900	0.032	1.2
905	0.031	1.2
910	0.031	1.2
915	0.030	1.1
920	0.030	1.1
925	0.029	1.0
930	0.028	1.0
935	0.028	1.0
940	0.028	0.9
945	0.027	0.9
950	0.027	0.9
955	0.027	0.9
960	0.026	0.8
965	0.026	0.8
970	0.026	0.8
975	0.025	0.8
980	0.025	0.8
985	0.025	0.7
990	0.024	0.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
995	0.024	0.7
1000	0.024	0.7
1005	0.024	0.7
1010	0.024	0.7
1015	0.023	0.6
1020	0.023	0.6
1025	0.023	0.6
1030	0.023	0.6
1035	0.022	0.6
1040	0.022	0.6
1045	0.022	0.6
1050	0.022	0.6
1055	0.022	0.6
1060	0.022	0.6
1065	0.022	0.6
1070	0.022	0.5
1075	0.021	0.5
1080	0.021	0.5
1085	0.021	0.5
1090	0.021	0.5
1095	0.021	0.5
1100	0.021	0.5
1105	0.021	0.5
1110	0.021	0.5
1115	0.021	0.5
1120	0.020	0.5
1125	0.020	0.5
1130	0.020	0.5
1135	0.020	0.5
1140	0.020	0.5
1145	0.020	0.5
1150	0.020	0.5
1155	0.020	0.5
1160	0.020	0.5
1165	0.020	0.5
1170	0.020	0.4
1175	0.019	0.4
1180	0.019	0.4
1185	0.019	0.4
1190	0.019	0.4
1195	0.019	0.4
1200	0.019	0.4
1205	0.019	0.4
1210	0.019	0.4
1215	0.019	0.4
1220	0.019	0.4
1225	0.019	0.4
1230	0.019	0.4
1235	0.019	0.4
1240	0.019	0.4
1245	0.018	0.4
1250	0.018	0.4
1255	0.018	0.4
1260	0.018	0.4
1265	0.018	0.4
1270	0.018	0.4
1275	0.018	0.4
1280	0.018	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
1285	0.018	0.4
1290	0.018	0.4
1295	0.018	0.4
1300	0.018	0.4
1305	0.018	0.4
1310	0.018	0.4
1315	0.018	0.4
1320	0.018	0.4
1325	0.018	0.4
1330	0.018	0.4
1335	0.018	0.4
1340	0.018	0.4
1345	0.018	0.4
1350	0.018	0.4
1355	0.018	0.4
1360	0.018	0.3
1365	0.018	0.3
1370	0.017	0.3
1375	0.017	0.3
1380	0.017	0.3
1385	0.017	0.3
1390	0.017	0.3
1395	0.017	0.3
1400	0.017	0.3
1405	0.017	0.3
1410	0.017	0.3
1415	0.017	0.3
1420	0.017	0.3
1425	0.017	0.3
1430	0.017	0.3
1435	0.017	0.3
1440	0.017	0.3
1445	0.013	0.1
1450	0.007	0.0
1455	0.005	0.0
1460	0.004	0.0
1465	0.003	0.0
1470	0.002	0.0
1475	0.002	0.0
1480	0.001	0.0
1485	0.001	0.0
1490	0.001	0.0
1495	0.001	0.0
1500	0.001	0.0
1505	0.001	0.0
1510	0.001	0.0
1515	0.001	0.0
1520	0.001	0.0
1525	0.001	0.0
1530	0.001	0.0
1535	0.001	0.0
1540	0.001	0.0
1545	0.001	0.0
1550	0.001	0.0
1555	0.001	0.0
1560	0.001	0.0
1565	0.000	0.0
1570	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

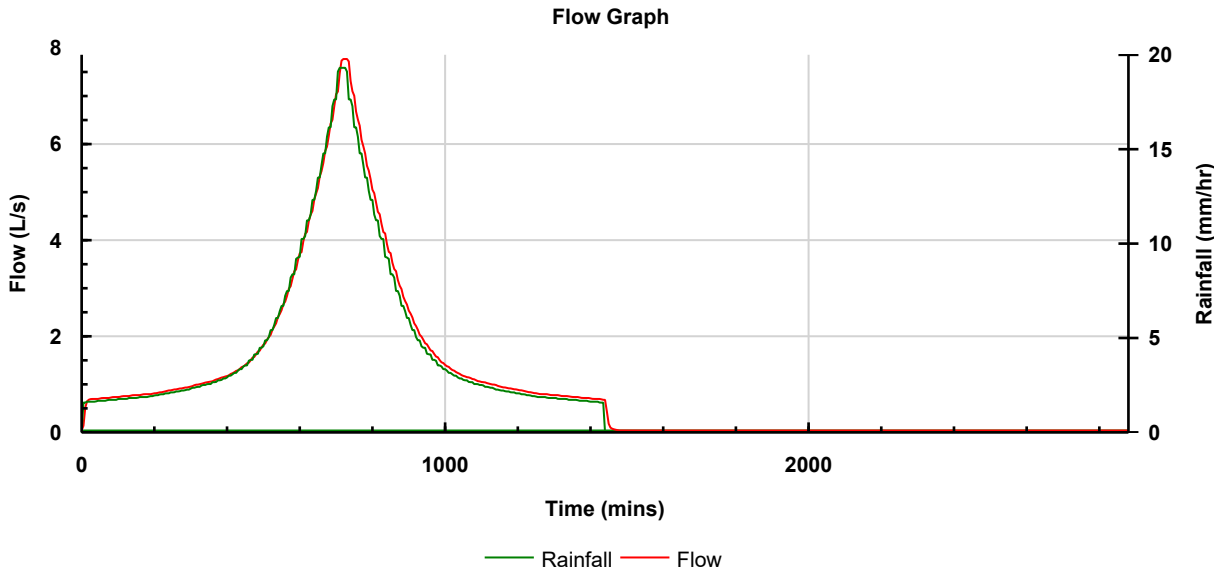
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Pipe 1.02
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.007	0.1
10	0.016	0.5
15	0.018	0.6
20	0.019	0.6
25	0.019	0.7
30	0.019	0.7
35	0.019	0.7
40	0.019	0.7
45	0.019	0.7
50	0.019	0.7
55	0.019	0.7
60	0.019	0.7
65	0.019	0.7
70	0.019	0.7
75	0.019	0.7
80	0.019	0.7
85	0.020	0.7
90	0.020	0.7
95	0.020	0.7
100	0.020	0.7
105	0.020	0.7
110	0.020	0.7
115	0.020	0.7
120	0.020	0.7

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Time (mins)	Depth (m)	Flow (L/s)
125	0.020	0.7
130	0.020	0.7
135	0.020	0.7
140	0.020	0.7
145	0.020	0.7
150	0.020	0.7
155	0.020	0.7
160	0.020	0.7
165	0.020	0.7
170	0.020	0.8
175	0.020	0.8
180	0.020	0.8
185	0.020	0.8
190	0.020	0.8
195	0.021	0.8
200	0.021	0.8
205	0.021	0.8
210	0.021	0.8
215	0.021	0.8
220	0.021	0.8
225	0.021	0.8
230	0.021	0.8
235	0.021	0.8
240	0.022	0.8
245	0.022	0.8
250	0.022	0.8
255	0.022	0.9
260	0.022	0.9
265	0.022	0.9
270	0.022	0.9
275	0.022	0.9
280	0.022	0.9
285	0.022	0.9
290	0.022	0.9
295	0.022	0.9
300	0.023	0.9
305	0.023	0.9
310	0.023	0.9
315	0.023	1.0
320	0.023	1.0
325	0.023	1.0
330	0.023	1.0
335	0.024	1.0
340	0.024	1.0
345	0.024	1.0
350	0.024	1.0
355	0.024	1.0
360	0.024	1.0
365	0.024	1.0
370	0.025	1.1
375	0.025	1.1
380	0.025	1.1
385	0.025	1.1
390	0.025	1.1
395	0.025	1.1
400	0.025	1.1
405	0.025	1.2
410	0.026	1.2

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Time (mins)	Depth (m)	Flow (L/s)
415	0.026	1.2
420	0.026	1.2
425	0.026	1.2
430	0.026	1.3
435	0.027	1.3
440	0.027	1.3
445	0.027	1.3
450	0.027	1.4
455	0.028	1.4
460	0.028	1.4
465	0.028	1.5
470	0.029	1.5
475	0.029	1.5
480	0.030	1.6
485	0.030	1.7
490	0.030	1.7
495	0.031	1.7
500	0.031	1.8
505	0.032	1.8
510	0.032	1.9
515	0.033	2.0
520	0.033	2.0
525	0.034	2.1
530	0.035	2.2
535	0.035	2.2
540	0.036	2.4
545	0.036	2.4
550	0.037	2.5
555	0.038	2.6
560	0.038	2.7
565	0.039	2.8
570	0.040	3.0
575	0.041	3.0
580	0.042	3.2
585	0.042	3.3
590	0.043	3.4
595	0.044	3.6
600	0.045	3.7
605	0.045	3.7
610	0.046	4.0
615	0.047	4.1
620	0.047	4.2
625	0.049	4.4
630	0.049	4.5
635	0.050	4.6
640	0.051	4.8
645	0.052	5.0
650	0.052	5.1
655	0.053	5.3
660	0.054	5.4
665	0.055	5.6
670	0.056	5.8
675	0.056	5.9
680	0.058	6.2
685	0.059	6.4
690	0.059	6.5
695	0.060	6.8
700	0.061	7.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
705	0.062	7.1
710	0.063	7.5
715	0.064	7.7
720	0.065	7.8
725	0.065	7.8
730	0.065	7.8
735	0.064	7.7
740	0.063	7.3
745	0.062	7.1
750	0.061	7.0
755	0.060	6.7
760	0.059	6.5
765	0.058	6.4
770	0.057	6.1
775	0.056	5.9
780	0.056	5.8
785	0.054	5.5
790	0.054	5.4
795	0.053	5.3
800	0.052	5.0
805	0.052	5.0
810	0.051	4.8
815	0.050	4.6
820	0.049	4.5
825	0.048	4.3
830	0.047	4.2
835	0.047	4.1
840	0.046	3.9
845	0.045	3.7
850	0.045	3.7
855	0.044	3.5
860	0.043	3.4
865	0.042	3.3
870	0.041	3.1
875	0.041	3.0
880	0.040	3.0
885	0.039	2.8
890	0.038	2.7
895	0.038	2.6
900	0.037	2.5
905	0.037	2.4
910	0.036	2.4
915	0.035	2.2
920	0.035	2.2
925	0.034	2.1
930	0.033	2.0
935	0.033	2.0
940	0.032	1.9
945	0.032	1.8
950	0.031	1.8
955	0.031	1.7
960	0.030	1.7
965	0.030	1.7
970	0.030	1.6
975	0.029	1.5
980	0.029	1.5
985	0.028	1.5
990	0.028	1.4

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Time (mins)	Depth (m)	Flow (L/s)
995	0.028	1.4
1000	0.027	1.4
1005	0.027	1.3
1010	0.027	1.3
1015	0.027	1.3
1020	0.026	1.3
1025	0.026	1.3
1030	0.026	1.2
1035	0.026	1.2
1040	0.026	1.2
1045	0.025	1.2
1050	0.025	1.1
1055	0.025	1.1
1060	0.025	1.1
1065	0.025	1.1
1070	0.025	1.1
1075	0.025	1.1
1080	0.025	1.1
1085	0.024	1.1
1090	0.024	1.0
1095	0.024	1.0
1100	0.024	1.0
1105	0.024	1.0
1110	0.024	1.0
1115	0.024	1.0
1120	0.023	1.0
1125	0.023	1.0
1130	0.023	1.0
1135	0.023	1.0
1140	0.023	1.0
1145	0.023	0.9
1150	0.023	0.9
1155	0.023	0.9
1160	0.022	0.9
1165	0.022	0.9
1170	0.022	0.9
1175	0.022	0.9
1180	0.022	0.9
1185	0.022	0.9
1190	0.022	0.9
1195	0.022	0.9
1200	0.022	0.9
1205	0.022	0.8
1210	0.022	0.8
1215	0.021	0.8
1220	0.021	0.8
1225	0.021	0.8
1230	0.021	0.8
1235	0.021	0.8
1240	0.021	0.8
1245	0.021	0.8
1250	0.021	0.8
1255	0.021	0.8
1260	0.020	0.8
1265	0.020	0.8
1270	0.020	0.8
1275	0.020	0.8
1280	0.020	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
1285	0.020	0.8
1290	0.020	0.7
1295	0.020	0.7
1300	0.020	0.7
1305	0.020	0.7
1310	0.020	0.7
1315	0.020	0.7
1320	0.020	0.7
1325	0.020	0.7
1330	0.020	0.7
1335	0.020	0.7
1340	0.020	0.7
1345	0.020	0.7
1350	0.020	0.7
1355	0.020	0.7
1360	0.020	0.7
1365	0.020	0.7
1370	0.019	0.7
1375	0.019	0.7
1380	0.019	0.7
1385	0.019	0.7
1390	0.019	0.7
1395	0.019	0.7
1400	0.019	0.7
1405	0.019	0.7
1410	0.019	0.7
1415	0.019	0.7
1420	0.019	0.7
1425	0.019	0.7
1430	0.019	0.7
1435	0.019	0.6
1440	0.019	0.6
1445	0.015	0.4
1450	0.008	0.1
1455	0.005	0.1
1460	0.004	0.0
1465	0.003	0.0
1470	0.002	0.0
1475	0.001	0.0
1480	0.001	0.0
1485	0.001	0.0
1490	0.001	0.0
1495	0.001	0.0
1500	0.001	0.0
1505	0.001	0.0
1510	0.001	0.0
1515	0.001	0.0
1520	0.001	0.0
1525	0.001	0.0
1530	0.001	0.0
1535	0.001	0.0
1540	0.001	0.0
1545	0.001	0.0
1550	0.000	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
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Report Details:	Company Address:			
Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



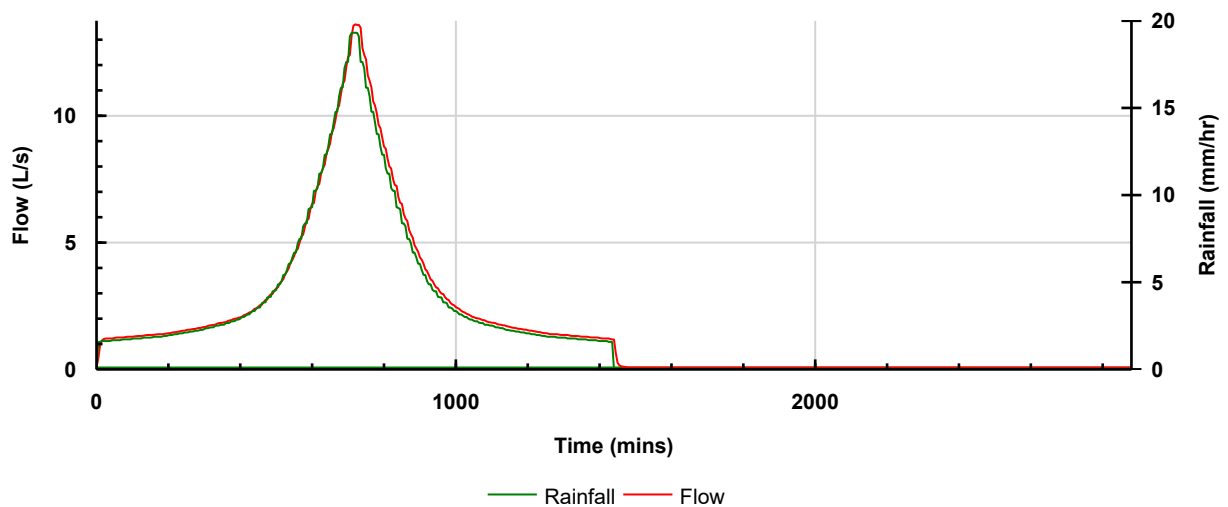
Pipe 1.03

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.013	0.4
10	0.021	0.9
15	0.023	1.1
20	0.023	1.1
25	0.023	1.1
30	0.023	1.1
35	0.023	1.1
40	0.023	1.1
45	0.023	1.1
50	0.024	1.2
55	0.024	1.2
60	0.024	1.2
65	0.024	1.2
70	0.024	1.2
75	0.024	1.2
80	0.024	1.2
85	0.024	1.2
90	0.024	1.2
95	0.024	1.2
100	0.024	1.2
105	0.024	1.2
110	0.024	1.2
115	0.024	1.2
120	0.024	1.2

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Time (mins)	Depth (m)	Flow (L/s)
125	0.024	1.2
130	0.024	1.3
135	0.025	1.3
140	0.025	1.3
145	0.025	1.3
150	0.025	1.3
155	0.025	1.3
160	0.025	1.3
165	0.025	1.3
170	0.025	1.3
175	0.025	1.3
180	0.025	1.3
185	0.025	1.3
190	0.025	1.3
195	0.025	1.3
200	0.025	1.4
205	0.025	1.4
210	0.026	1.4
215	0.026	1.4
220	0.026	1.4
225	0.026	1.4
230	0.026	1.4
235	0.026	1.4
240	0.026	1.5
245	0.026	1.5
250	0.027	1.5
255	0.027	1.5
260	0.027	1.5
265	0.027	1.5
270	0.027	1.5
275	0.027	1.5
280	0.027	1.6
285	0.027	1.6
290	0.027	1.6
295	0.028	1.6
300	0.028	1.6
305	0.028	1.6
310	0.028	1.7
315	0.028	1.7
320	0.029	1.7
325	0.029	1.7
330	0.029	1.7
335	0.029	1.7
340	0.029	1.8
345	0.029	1.8
350	0.029	1.8
355	0.030	1.8
360	0.030	1.8
365	0.030	1.8
370	0.030	1.9
375	0.030	1.9
380	0.031	1.9
385	0.031	1.9
390	0.031	1.9
395	0.031	2.0
400	0.031	2.0
405	0.031	2.0
410	0.032	2.1

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Time (mins)	Depth (m)	Flow (L/s)
415	0.032	2.1
420	0.032	2.1
425	0.032	2.2
430	0.033	2.2
435	0.033	2.3
440	0.033	2.3
445	0.034	2.3
450	0.034	2.4
455	0.034	2.5
460	0.034	2.5
465	0.035	2.6
470	0.036	2.7
475	0.036	2.7
480	0.037	2.8
485	0.037	2.9
490	0.037	2.9
495	0.038	3.1
500	0.038	3.1
505	0.039	3.2
510	0.040	3.3
515	0.040	3.4
520	0.041	3.5
525	0.042	3.7
530	0.042	3.8
535	0.043	3.9
540	0.044	4.2
545	0.045	4.3
550	0.046	4.4
555	0.047	4.6
560	0.047	4.7
565	0.048	4.9
570	0.049	5.2
575	0.050	5.3
580	0.051	5.6
585	0.052	5.8
590	0.052	5.9
595	0.054	6.3
600	0.055	6.5
605	0.055	6.5
610	0.057	7.0
615	0.058	7.2
620	0.058	7.3
625	0.060	7.7
630	0.060	7.9
635	0.061	8.0
640	0.063	8.5
645	0.063	8.7
650	0.064	8.9
655	0.066	9.3
660	0.066	9.5
665	0.067	9.8
670	0.069	10.2
675	0.069	10.4
680	0.071	10.8
685	0.072	11.2
690	0.073	11.4
695	0.074	11.9
700	0.076	12.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
705	0.079	12.4
710	0.083	13.2
715	0.087	13.6
720	0.090	13.6
725	0.093	13.6
730	0.096	13.6
735	0.099	13.5
740	0.100	12.7
745	0.101	12.4
750	0.102	12.2
755	0.102	11.6
760	0.101	11.4
765	0.101	11.1
770	0.099	10.6
775	0.097	10.4
780	0.095	10.1
785	0.091	9.6
790	0.089	9.5
795	0.085	9.1
800	0.081	8.8
805	0.077	8.7
810	0.073	8.3
815	0.069	8.0
820	0.066	7.9
825	0.063	7.5
830	0.059	7.2
835	0.058	7.2
840	0.056	6.8
845	0.055	6.5
850	0.055	6.5
855	0.053	6.1
860	0.052	5.9
865	0.052	5.8
870	0.050	5.4
875	0.050	5.3
880	0.049	5.1
885	0.048	4.8
890	0.047	4.7
895	0.046	4.6
900	0.045	4.4
905	0.045	4.3
910	0.044	4.1
915	0.043	3.9
920	0.042	3.8
925	0.042	3.7
930	0.041	3.5
935	0.040	3.4
940	0.039	3.3
945	0.039	3.2
950	0.039	3.1
955	0.038	3.0
960	0.037	2.9
965	0.037	2.9
970	0.036	2.8
975	0.036	2.7
980	0.036	2.7
985	0.035	2.6
990	0.035	2.5

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
995	0.034	2.5
1000	0.034	2.4
1005	0.034	2.4
1010	0.033	2.3
1015	0.033	2.2
1020	0.033	2.2
1025	0.032	2.2
1030	0.032	2.1
1035	0.032	2.1
1040	0.032	2.1
1045	0.031	2.0
1050	0.031	2.0
1055	0.031	2.0
1060	0.031	1.9
1065	0.031	1.9
1070	0.030	1.9
1075	0.030	1.9
1080	0.030	1.9
1085	0.030	1.8
1090	0.030	1.8
1095	0.030	1.8
1100	0.029	1.8
1105	0.029	1.8
1110	0.029	1.8
1115	0.029	1.7
1120	0.029	1.7
1125	0.029	1.7
1130	0.028	1.7
1135	0.028	1.7
1140	0.028	1.6
1145	0.028	1.6
1150	0.028	1.6
1155	0.028	1.6
1160	0.028	1.6
1165	0.028	1.6
1170	0.027	1.5
1175	0.027	1.5
1180	0.027	1.5
1185	0.027	1.5
1190	0.027	1.5
1195	0.027	1.5
1200	0.027	1.5
1205	0.026	1.5
1210	0.026	1.5
1215	0.026	1.4
1220	0.026	1.4
1225	0.026	1.4
1230	0.026	1.4
1235	0.026	1.4
1240	0.026	1.4
1245	0.025	1.4
1250	0.025	1.4
1255	0.025	1.4
1260	0.025	1.3
1265	0.025	1.3
1270	0.025	1.3
1275	0.025	1.3
1280	0.025	1.3

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Time (mins)	Depth (m)	Flow (L/s)
1285	0.025	1.3
1290	0.025	1.3
1295	0.025	1.3
1300	0.025	1.3
1305	0.025	1.3
1310	0.025	1.3
1315	0.025	1.3
1320	0.024	1.3
1325	0.024	1.3
1330	0.024	1.3
1335	0.024	1.3
1340	0.024	1.2
1345	0.024	1.2
1350	0.024	1.2
1355	0.024	1.2
1360	0.024	1.2
1365	0.024	1.2
1370	0.024	1.2
1375	0.024	1.2
1380	0.024	1.2
1385	0.024	1.2
1390	0.024	1.2
1395	0.024	1.2
1400	0.024	1.2
1405	0.023	1.2
1410	0.023	1.2
1415	0.023	1.2
1420	0.023	1.2
1425	0.023	1.2
1430	0.023	1.1
1435	0.023	1.1
1440	0.023	1.1
1445	0.017	0.6
1450	0.009	0.2
1455	0.005	0.1
1460	0.004	0.0
1465	0.003	0.0
1470	0.002	0.0
1475	0.001	0.0
1480	0.001	0.0
1485	0.001	0.0
1490	0.001	0.0
1495	0.001	0.0
1500	0.001	0.0
1505	0.001	0.0
1510	0.001	0.0
1515	0.001	0.0
1520	0.001	0.0
1525	0.001	0.0
1530	0.001	0.0
1535	0.000	0.0
1540	0.000	0.0
1545	0.000	0.0
1550	0.000	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by: Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

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Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
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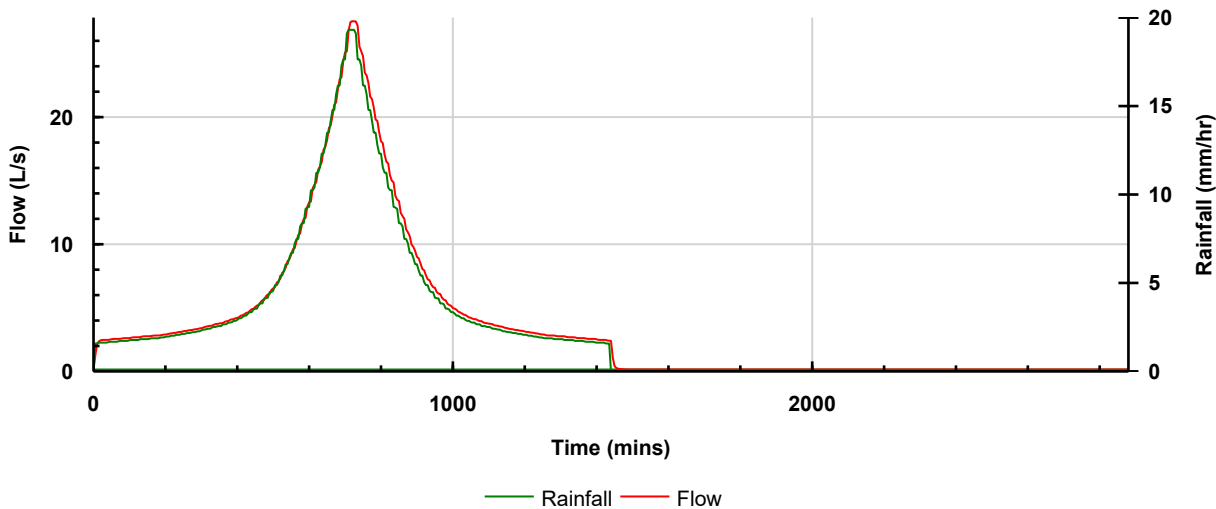


Pipe 1.04
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.023	1.1
10	0.050	2.0
15	0.053	2.2
20	0.058	2.3
25	0.063	2.3
30	0.068	2.3
35	0.072	2.3
40	0.077	2.3
45	0.081	2.4
50	0.086	2.4
55	0.089	2.4
60	0.091	2.4
65	0.094	2.4
70	0.096	2.4
75	0.098	2.4
80	0.101	2.5
85	0.103	2.5
90	0.105	2.5
95	0.107	2.5
100	0.109	2.5
105	0.112	2.5
110	0.114	2.5
115	0.116	2.5
120	0.118	2.5

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Time (mins)	Depth (m)	Flow (L/s)
125	0.120	2.6
130	0.122	2.6
135	0.124	2.6
140	0.126	2.6
145	0.128	2.6
150	0.130	2.6
155	0.132	2.6
160	0.134	2.6
165	0.135	2.7
170	0.137	2.7
175	0.139	2.7
180	0.141	2.7
185	0.143	2.7
190	0.145	2.7
195	0.147	2.8
200	0.149	2.8
205	0.151	2.8
210	0.153	2.8
215	0.155	2.8
220	0.157	2.9
225	0.158	2.9
230	0.160	2.9
235	0.162	2.9
240	0.164	3.0
245	0.166	3.0
250	0.168	3.0
255	0.170	3.0
260	0.172	3.1
265	0.174	3.1
270	0.176	3.1
275	0.177	3.1
280	0.179	3.2
285	0.181	3.2
290	0.182	3.2
295	0.184	3.2
300	0.185	3.3
305	0.187	3.3
310	0.188	3.4
315	0.190	3.4
320	0.191	3.4
325	0.192	3.5
330	0.193	3.5
335	0.195	3.5
340	0.196	3.6
345	0.197	3.6
350	0.198	3.6
355	0.199	3.7
360	0.200	3.7
365	0.201	3.8
370	0.202	3.8
375	0.203	3.8
380	0.203	3.9
385	0.204	4.0
390	0.205	4.0
395	0.206	4.1
400	0.206	4.1
405	0.207	4.1
410	0.208	4.3

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Time (mins)	Depth (m)	Flow (L/s)
415	0.208	4.3
420	0.209	4.4
425	0.210	4.5
430	0.211	4.5
435	0.211	4.6
440	0.212	4.8
445	0.213	4.8
450	0.214	4.9
455	0.214	5.1
460	0.215	5.1
465	0.216	5.3
470	0.217	5.5
475	0.217	5.5
480	0.219	5.8
485	0.219	5.9
490	0.220	6.0
495	0.221	6.3
500	0.222	6.4
505	0.223	6.5
510	0.225	6.9
515	0.226	7.0
520	0.227	7.2
525	0.228	7.6
530	0.229	7.8
535	0.231	8.1
540	0.233	8.6
545	0.234	8.7
550	0.236	9.1
555	0.237	9.5
560	0.239	9.6
565	0.241	10.2
570	0.243	10.6
575	0.244	10.8
580	0.247	11.5
585	0.251	11.9
590	0.254	12.0
595	0.257	12.9
600	0.261	13.2
605	0.264	13.3
610	0.268	14.3
615	0.272	14.6
620	0.275	14.8
625	0.279	15.8
630	0.283	16.0
635	0.287	16.4
640	0.291	17.4
645	0.296	17.6
650	0.300	18.1
655	0.305	19.1
660	0.309	19.3
665	0.313	20.1
670	0.318	20.9
675	0.323	21.1
680	0.327	22.1
685	0.333	23.0
690	0.338	23.1
695	0.344	24.4
700	0.350	25.1

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Time (mins)	Depth (m)	Flow (L/s)
705	0.356	25.2
710	0.362	26.8
715	0.370	27.5
720	0.377	27.5
725	0.383	27.5
730	0.390	27.5
735	0.397	27.2
740	0.402	25.5
745	0.405	25.2
750	0.408	24.8
755	0.409	23.5
760	0.409	23.2
765	0.408	22.7
770	0.406	21.6
775	0.403	21.4
780	0.400	20.7
785	0.395	19.8
790	0.389	19.6
795	0.383	18.7
800	0.376	18.0
805	0.369	17.9
810	0.362	17.0
815	0.355	16.4
820	0.349	16.3
825	0.343	15.4
830	0.337	14.9
835	0.331	14.8
840	0.326	13.7
845	0.320	13.4
850	0.315	13.3
855	0.310	12.4
860	0.305	12.1
865	0.301	11.9
870	0.296	11.1
875	0.292	10.8
880	0.288	10.5
885	0.284	9.9
890	0.281	9.7
895	0.277	9.4
900	0.273	8.9
905	0.270	8.8
910	0.267	8.4
915	0.263	8.0
920	0.260	7.8
925	0.257	7.4
930	0.254	7.1
935	0.251	7.1
940	0.248	6.7
945	0.246	6.5
950	0.243	6.5
955	0.241	6.1
960	0.238	6.0
965	0.236	6.0
970	0.234	5.7
975	0.233	5.5
980	0.232	5.5
985	0.230	5.2
990	0.229	5.1

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Time (mins)	Depth (m)	Flow (L/s)
995	0.228	5.0
1000	0.227	4.9
1005	0.226	4.8
1010	0.225	4.7
1015	0.224	4.6
1020	0.223	4.5
1025	0.223	4.4
1030	0.222	4.3
1035	0.221	4.3
1040	0.220	4.2
1045	0.219	4.1
1050	0.219	4.1
1055	0.218	4.0
1060	0.218	4.0
1065	0.217	4.0
1070	0.216	3.9
1075	0.216	3.8
1080	0.215	3.8
1085	0.215	3.7
1090	0.214	3.7
1095	0.214	3.7
1100	0.213	3.6
1105	0.213	3.6
1110	0.213	3.6
1115	0.212	3.5
1120	0.212	3.5
1125	0.211	3.5
1130	0.211	3.4
1135	0.211	3.4
1140	0.210	3.4
1145	0.210	3.3
1150	0.210	3.3
1155	0.209	3.2
1160	0.209	3.2
1165	0.209	3.2
1170	0.208	3.2
1175	0.208	3.1
1180	0.208	3.1
1185	0.207	3.1
1190	0.207	3.1
1195	0.207	3.1
1200	0.207	3.0
1205	0.206	3.0
1210	0.206	3.0
1215	0.206	2.9
1220	0.206	2.9
1225	0.205	2.9
1230	0.205	2.9
1235	0.205	2.9
1240	0.205	2.8
1245	0.204	2.8
1250	0.204	2.8
1255	0.204	2.8
1260	0.204	2.7
1265	0.203	2.7
1270	0.203	2.7
1275	0.203	2.7
1280	0.203	2.7

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Time (mins)	Depth (m)	Flow (L/s)
1285	0.203	2.7
1290	0.203	2.6
1295	0.202	2.6
1300	0.202	2.6
1305	0.202	2.6
1310	0.202	2.6
1315	0.202	2.6
1320	0.202	2.6
1325	0.201	2.6
1330	0.201	2.6
1335	0.201	2.6
1340	0.201	2.5
1345	0.201	2.5
1350	0.201	2.5
1355	0.201	2.5
1360	0.200	2.5
1365	0.200	2.5
1370	0.200	2.5
1375	0.200	2.4
1380	0.200	2.4
1385	0.200	2.4
1390	0.200	2.4
1395	0.200	2.4
1400	0.199	2.4
1405	0.199	2.3
1410	0.199	2.3
1415	0.199	2.3
1420	0.199	2.3
1425	0.199	2.3
1430	0.199	2.3
1435	0.198	2.3
1440	0.198	2.3
1445	0.194	0.9
1450	0.190	0.3
1455	0.188	0.1
1460	0.186	0.1
1465	0.185	0.0
1470	0.184	0.0
1475	0.182	0.0
1480	0.181	0.0
1485	0.180	0.0
1490	0.179	0.0
1495	0.178	0.0
1500	0.177	0.0
1505	0.176	0.0
1510	0.176	0.0
1515	0.175	0.0
1520	0.174	0.0
1525	0.174	0.0
1530	0.173	0.0
1535	0.173	0.0
1540	0.172	0.0
1545	0.172	0.0
1550	0.171	0.0
1555	0.171	0.0
1560	0.170	0.0
1565	0.170	0.0
1570	0.169	0.0

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Time (mins)	Depth (m)	Flow (L/s)
1575	0.169	0.0
1580	0.168	0.0
1585	0.168	0.0
1590	0.168	0.0
1595	0.167	0.0
1600	0.167	0.0
1605	0.167	0.0
1610	0.166	0.0
1615	0.166	0.0
1620	0.166	0.0
1625	0.166	0.0
1630	0.165	0.0
1635	0.165	0.0
1640	0.165	0.0
1645	0.165	0.0
1650	0.164	0.0
1655	0.164	0.0
1660	0.164	0.0
1665	0.164	0.0
1670	0.163	0.0
1675	0.163	0.0
1680	0.163	0.0
1685	0.163	0.0
1690	0.163	0.0
1695	0.162	0.0
1700	0.162	0.0
1705	0.162	0.0
1710	0.162	0.0
1715	0.162	0.0
1720	0.162	0.0
1725	0.161	0.0
1730	0.161	0.0
1735	0.161	0.0
1740	0.161	0.0
1745	0.161	0.0
1750	0.161	0.0
1755	0.161	0.0
1760	0.160	0.0
1765	0.160	0.0
1770	0.160	0.0
1775	0.160	0.0
1780	0.160	0.0
1785	0.160	0.0
1790	0.160	0.0
1795	0.160	0.0
1800	0.160	0.0
1805	0.159	0.0
1810	0.159	0.0
1815	0.159	0.0
1820	0.159	0.0
1825	0.159	0.0
1830	0.159	0.0
1835	0.159	0.0
1840	0.159	0.0
1845	0.159	0.0
1850	0.159	0.0
1855	0.158	0.0
1860	0.158	0.0

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Time (mins)	Depth (m)	Flow (L/s)
1865	0.158	0.0
1870	0.158	0.0
1875	0.158	0.0
1880	0.158	0.0
1885	0.158	0.0
1890	0.158	0.0
1895	0.158	0.0
1900	0.157	0.0
1905	0.157	0.0
1910	0.158	0.0
1915	0.158	0.0
1920	0.158	0.0
1925	0.157	0.0
1930	0.158	0.0
1935	0.157	0.0
1940	0.157	0.0
1945	0.157	0.0
1950	0.156	0.0
1955	0.157	0.0
1960	0.157	0.0
1965	0.157	0.0
1970	0.157	0.0
1975	0.157	0.0
1980	0.157	0.0
1985	0.156	0.0
1990	0.157	0.0
1995	0.157	0.0
2000	0.157	0.0
2005	0.156	0.0
2010	0.156	0.0
2015	0.156	0.0
2020	0.157	0.0
2025	0.156	0.0
2030	0.156	0.0
2035	0.157	0.0
2040	0.156	0.0
2045	0.156	0.0
2050	0.156	0.0
2055	0.156	0.0
2060	0.156	0.0
2065	0.156	0.0
2070	0.155	0.0
2075	0.156	0.0
2080	0.155	0.0
2085	0.156	0.0
2090	0.155	0.0
2095	0.156	0.0
2100	0.156	0.0
2105	0.156	0.0
2110	0.155	0.0
2115	0.156	0.0
2120	0.156	0.0
2125	0.155	0.0
2130	0.155	0.0
2135	0.156	0.0
2140	0.155	0.0
2145	0.154	0.0
2150	0.155	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.155	0.0
2160	0.154	0.0
2165	0.155	0.0
2170	0.156	0.0
2175	0.155	0.0
2180	0.155	0.0
2185	0.155	0.0
2190	0.155	0.0
2195	0.155	0.0
2200	0.155	0.0
2205	0.155	0.0
2210	0.155	0.0
2215	0.155	0.0
2220	0.155	0.0
2225	0.154	0.0
2230	0.154	0.0
2235	0.154	0.0
2240	0.154	0.0
2245	0.154	0.0
2250	0.154	0.0
2255	0.154	0.0
2260	0.154	0.0
2265	0.154	0.0
2270	0.154	0.0
2275	0.154	0.0
2280	0.154	0.0
2285	0.155	0.0
2290	0.154	0.0
2295	0.154	0.0
2300	0.154	0.0
2305	0.154	0.0
2310	0.154	0.0
2315	0.154	0.0
2320	0.154	0.0
2325	0.154	0.0
2330	0.153	0.0
2335	0.154	0.0
2340	0.154	0.0
2345	0.153	0.0
2350	0.154	0.0
2355	0.153	0.0
2360	0.154	0.0
2365	0.154	0.0
2370	0.153	0.0
2375	0.153	0.0
2380	0.153	0.0
2385	0.153	0.0
2390	0.154	0.0
2395	0.154	0.0
2400	0.154	0.0
2405	0.153	0.0
2410	0.153	0.0
2415	0.153	0.0
2420	0.154	0.0
2425	0.154	0.0
2430	0.153	0.0
2435	0.153	0.0
2440	0.153	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by: Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.153	0.0
2450	0.153	0.0
2455	0.153	0.0
2460	0.154	0.0
2465	0.154	0.0
2470	0.153	0.0
2475	0.154	0.0
2480	0.153	0.0
2485	0.153	0.0
2490	0.153	0.0
2495	0.153	0.0
2500	0.153	0.0
2505	0.153	0.0
2510	0.153	0.0
2515	0.153	0.0
2520	0.153	0.0
2525	0.153	0.0
2530	0.153	0.0
2535	0.153	0.0
2540	0.153	0.0
2545	0.153	0.0
2550	0.153	0.0
2555	0.152	0.0
2560	0.153	0.0
2565	0.153	0.0
2570	0.153	0.0
2575	0.153	0.0
2580	0.153	0.0
2585	0.153	0.0
2590	0.153	0.0
2595	0.152	0.0
2600	0.152	0.0
2605	0.153	0.0
2610	0.153	0.0
2615	0.153	0.0
2620	0.153	0.0
2625	0.152	0.0
2630	0.152	0.0
2635	0.152	0.0
2640	0.153	0.0
2645	0.153	0.0
2650	0.152	0.0
2655	0.152	0.0
2660	0.153	0.0
2665	0.153	0.0
2670	0.152	0.0
2675	0.152	0.0
2680	0.153	0.0
2685	0.152	0.0
2690	0.152	0.0
2695	0.152	0.0
2700	0.152	0.0
2705	0.152	0.0
2710	0.152	0.0
2715	0.152	0.0
2720	0.152	0.0
2725	0.152	0.0
2730	0.152	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.152	0.0
2740	0.152	0.0
2745	0.152	0.0
2750	0.152	0.0
2755	0.152	0.0
2760	0.152	0.0
2765	0.152	0.0
2770	0.153	0.0
2775	0.152	0.0
2780	0.152	0.0
2785	0.152	0.0
2790	0.152	0.0
2795	0.152	0.0
2800	0.152	0.0
2805	0.153	0.0
2810	0.153	0.0
2815	0.152	0.0
2820	0.152	0.0
2825	0.152	0.0
2830	0.152	0.0
2835	0.152	0.0
2840	0.152	0.0
2845	0.152	0.0
2850	0.152	0.0
2855	0.152	0.0
2860	0.152	0.0
2865	0.152	0.0
2870	0.152	0.0
2875	0.152	0.0
2880	0.152	0.0

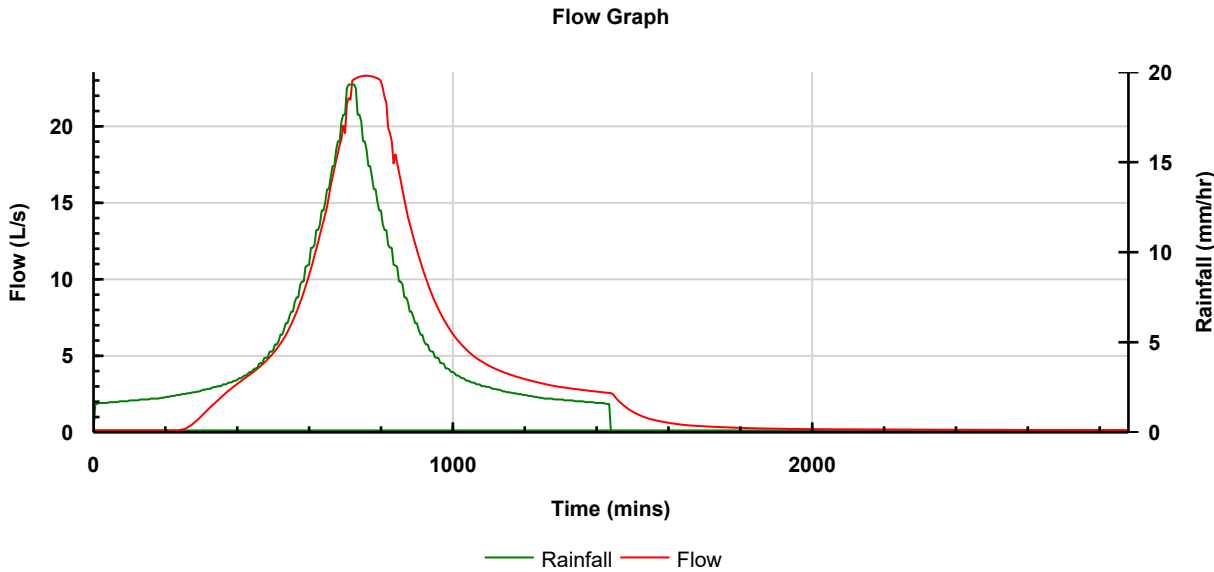
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe Outfall
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.000	0.0
20	0.000	0.0
25	0.000	0.0
30	0.000	0.0
35	0.000	0.0
40	0.000	0.0
45	0.000	0.0
50	0.000	0.0
55	0.000	0.0
60	0.000	0.0
65	0.000	0.0
70	0.000	0.0
75	0.000	0.0
80	0.000	0.0
85	0.000	0.0
90	0.000	0.0
95	0.000	0.0
100	0.000	0.0
105	0.000	0.0
110	0.000	0.0
115	0.000	0.0
120	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.000	0.0
130	0.000	0.0
135	0.000	0.0
140	0.000	0.0
145	0.000	0.0
150	0.000	0.0
155	0.000	0.0
160	0.000	0.0
165	0.000	0.0
170	0.000	0.0
175	0.000	0.0
180	0.000	0.0
185	0.000	0.0
190	0.000	0.0
195	0.000	0.0
200	0.000	0.0
205	0.000	0.0
210	0.000	0.0
215	0.000	0.0
220	0.000	0.0
225	0.000	0.0
230	0.000	0.0
235	0.000	0.0
240	0.002	0.0
245	0.004	0.0
250	0.005	0.1
255	0.007	0.1
260	0.009	0.2
265	0.010	0.2
270	0.011	0.3
275	0.013	0.4
280	0.014	0.5
285	0.016	0.6
290	0.017	0.7
295	0.018	0.8
300	0.019	0.9
305	0.021	1.1
310	0.022	1.2
315	0.023	1.3
320	0.024	1.4
325	0.025	1.5
330	0.025	1.6
335	0.026	1.7
340	0.027	1.9
345	0.028	2.0
350	0.029	2.1
355	0.029	2.2
360	0.030	2.3
365	0.031	2.4
370	0.031	2.5
375	0.032	2.6
380	0.033	2.7
385	0.033	2.8
390	0.034	2.9
395	0.034	3.0
400	0.035	3.1
405	0.035	3.1
410	0.036	3.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.036	3.3
420	0.037	3.4
425	0.037	3.5
430	0.038	3.6
435	0.038	3.7
440	0.039	3.8
445	0.039	3.8
450	0.040	3.9
455	0.040	4.0
460	0.041	4.1
465	0.041	4.2
470	0.042	4.3
475	0.042	4.5
480	0.043	4.6
485	0.043	4.7
490	0.044	4.8
495	0.045	4.9
500	0.045	5.1
505	0.046	5.2
510	0.047	5.4
515	0.048	5.5
520	0.048	5.7
525	0.049	5.9
530	0.050	6.1
535	0.051	6.3
540	0.052	6.5
545	0.053	6.7
550	0.054	7.0
555	0.055	7.2
560	0.056	7.5
565	0.057	7.8
570	0.059	8.1
575	0.060	8.4
580	0.061	8.7
585	0.063	9.1
590	0.064	9.4
595	0.066	9.8
600	0.068	10.2
605	0.069	10.6
610	0.071	11.0
615	0.073	11.5
620	0.075	11.9
625	0.077	12.4
630	0.080	12.9
635	0.082	13.3
640	0.084	13.7
645	0.088	14.2
650	0.091	14.7
655	0.113	15.4
660	0.137	16.1
665	0.153	16.6
670	0.171	17.2
675	0.191	17.7
680	0.210	18.2
685	0.225	18.8
690	0.225	19.1
695	0.225	20.0
700	0.225	19.5

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
705	0.225	21.4
710	0.225	21.9
715	0.225	21.7
720	0.225	23.0
725	0.225	23.1
730	0.225	23.1
735	0.225	23.2
740	0.225	23.2
745	0.225	23.3
750	0.225	23.3
755	0.225	23.3
760	0.225	23.3
765	0.225	23.3
770	0.225	23.3
775	0.225	23.3
780	0.225	23.2
785	0.225	23.2
790	0.225	23.1
795	0.225	23.1
800	0.225	22.9
805	0.225	22.5
810	0.225	21.9
815	0.225	21.5
820	0.225	19.9
825	0.225	19.5
830	0.225	19.0
835	0.225	17.5
840	0.219	18.2
845	0.199	17.6
850	0.178	17.0
855	0.158	16.4
860	0.139	15.8
865	0.124	15.2
870	0.112	14.6
875	0.100	14.0
880	0.084	13.6
885	0.082	13.1
890	0.079	12.7
895	0.077	12.3
900	0.075	11.9
905	0.073	11.4
910	0.072	11.1
915	0.070	10.7
920	0.069	10.3
925	0.067	10.0
930	0.066	9.7
935	0.064	9.3
940	0.063	9.0
945	0.062	8.7
950	0.061	8.5
955	0.059	8.2
960	0.058	8.0
965	0.057	7.7
970	0.056	7.5
975	0.055	7.3
980	0.055	7.1
985	0.054	6.9
990	0.053	6.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Time (mins)	Depth (m)	Flow (L/s)
995	0.052	6.5
1000	0.051	6.3
1005	0.051	6.2
1010	0.050	6.0
1015	0.049	5.9
1020	0.049	5.7
1025	0.048	5.6
1030	0.047	5.5
1035	0.047	5.4
1040	0.046	5.3
1045	0.046	5.1
1050	0.045	5.0
1055	0.045	4.9
1060	0.044	4.8
1065	0.044	4.8
1070	0.044	4.7
1075	0.043	4.6
1080	0.043	4.5
1085	0.042	4.5
1090	0.042	4.4
1095	0.042	4.3
1100	0.041	4.3
1105	0.041	4.2
1110	0.041	4.1
1115	0.041	4.1
1120	0.040	4.0
1125	0.040	4.0
1130	0.040	3.9
1135	0.039	3.9
1140	0.039	3.8
1145	0.039	3.8
1150	0.039	3.7
1155	0.039	3.7
1160	0.038	3.7
1165	0.038	3.6
1170	0.038	3.6
1175	0.038	3.5
1180	0.037	3.5
1185	0.037	3.5
1190	0.037	3.4
1195	0.037	3.4
1200	0.037	3.4
1205	0.037	3.3
1210	0.036	3.3
1215	0.036	3.3
1220	0.036	3.3
1225	0.036	3.2
1230	0.036	3.2
1235	0.036	3.2
1240	0.035	3.1
1245	0.035	3.1
1250	0.035	3.1
1255	0.035	3.1
1260	0.035	3.0
1265	0.035	3.0
1270	0.034	3.0
1275	0.034	3.0
1280	0.034	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
1285	0.034	2.9
1290	0.034	2.9
1295	0.034	2.9
1300	0.034	2.9
1305	0.034	2.8
1310	0.033	2.8
1315	0.033	2.8
1320	0.033	2.8
1325	0.033	2.8
1330	0.033	2.8
1335	0.033	2.7
1340	0.033	2.7
1345	0.033	2.7
1350	0.033	2.7
1355	0.033	2.7
1360	0.033	2.7
1365	0.032	2.6
1370	0.032	2.6
1375	0.032	2.6
1380	0.032	2.6
1385	0.032	2.6
1390	0.032	2.6
1395	0.032	2.6
1400	0.032	2.6
1405	0.032	2.5
1410	0.032	2.5
1415	0.032	2.5
1420	0.032	2.5
1425	0.031	2.5
1430	0.031	2.5
1435	0.031	2.5
1440	0.031	2.4
1445	0.031	2.4
1450	0.030	2.3
1455	0.029	2.1
1460	0.028	2.0
1465	0.027	1.9
1470	0.027	1.8
1475	0.026	1.7
1480	0.025	1.6
1485	0.024	1.5
1490	0.024	1.4
1495	0.023	1.3
1500	0.022	1.2
1505	0.022	1.2
1510	0.021	1.1
1515	0.021	1.1
1520	0.020	1.0
1525	0.020	1.0
1530	0.019	0.9
1535	0.019	0.9
1540	0.018	0.8
1545	0.018	0.8
1550	0.017	0.7
1555	0.017	0.7
1560	0.017	0.7
1565	0.017	0.7
1570	0.016	0.6

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
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Time (mins)	Depth (m)	Flow (L/s)
1575	0.016	0.6
1580	0.016	0.6
1585	0.015	0.6
1590	0.015	0.5
1595	0.015	0.5
1600	0.015	0.5
1605	0.014	0.5
1610	0.014	0.5
1615	0.014	0.4
1620	0.014	0.4
1625	0.013	0.4
1630	0.013	0.4
1635	0.013	0.4
1640	0.013	0.4
1645	0.012	0.4
1650	0.012	0.3
1655	0.012	0.3
1660	0.012	0.3
1665	0.012	0.3
1670	0.012	0.3
1675	0.012	0.3
1680	0.011	0.3
1685	0.011	0.3
1690	0.011	0.3
1695	0.011	0.3
1700	0.011	0.3
1705	0.011	0.3
1710	0.011	0.3
1715	0.011	0.3
1720	0.010	0.2
1725	0.010	0.2
1730	0.010	0.2
1735	0.010	0.2
1740	0.010	0.2
1745	0.010	0.2
1750	0.010	0.2
1755	0.010	0.2
1760	0.010	0.2
1765	0.009	0.2
1770	0.009	0.2
1775	0.009	0.2
1780	0.009	0.2
1785	0.009	0.2
1790	0.009	0.2
1795	0.009	0.2
1800	0.009	0.2
1805	0.009	0.2
1810	0.009	0.2
1815	0.009	0.2
1820	0.008	0.2
1825	0.008	0.2
1830	0.008	0.1
1835	0.008	0.1
1840	0.008	0.1
1845	0.008	0.1
1850	0.008	0.1
1855	0.008	0.1
1860	0.008	0.1

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Time (mins)	Depth (m)	Flow (L/s)
1865	0.008	0.1
1870	0.008	0.1
1875	0.008	0.1
1880	0.008	0.1
1885	0.008	0.1
1890	0.007	0.1
1895	0.007	0.1
1900	0.007	0.1
1905	0.007	0.1
1910	0.007	0.1
1915	0.007	0.1
1920	0.007	0.1
1925	0.007	0.1
1930	0.007	0.1
1935	0.007	0.1
1940	0.007	0.1
1945	0.007	0.1
1950	0.007	0.1
1955	0.007	0.1
1960	0.007	0.1
1965	0.007	0.1
1970	0.007	0.1
1975	0.006	0.1
1980	0.006	0.1
1985	0.006	0.1
1990	0.006	0.1
1995	0.006	0.1
2000	0.006	0.1
2005	0.006	0.1
2010	0.006	0.1
2015	0.006	0.1
2020	0.006	0.1
2025	0.006	0.1
2030	0.006	0.1
2035	0.006	0.1
2040	0.006	0.1
2045	0.006	0.1
2050	0.006	0.1
2055	0.006	0.1
2060	0.006	0.1
2065	0.006	0.1
2070	0.006	0.1
2075	0.006	0.1
2080	0.006	0.1
2085	0.006	0.1
2090	0.006	0.1
2095	0.006	0.1
2100	0.006	0.1
2105	0.006	0.1
2110	0.006	0.1
2115	0.006	0.1
2120	0.006	0.1
2125	0.005	0.1
2130	0.005	0.1
2135	0.005	0.1
2140	0.005	0.1
2145	0.005	0.1
2150	0.005	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2155	0.005	0.1
2160	0.005	0.1
2165	0.005	0.1
2170	0.005	0.1
2175	0.005	0.1
2180	0.005	0.1
2185	0.005	0.1
2190	0.005	0.1
2195	0.005	0.1
2200	0.005	0.1
2205	0.005	0.1
2210	0.005	0.1
2215	0.005	0.1
2220	0.005	0.1
2225	0.005	0.1
2230	0.005	0.1
2235	0.005	0.1
2240	0.005	0.1
2245	0.005	0.1
2250	0.005	0.1
2255	0.005	0.1
2260	0.005	0.1
2265	0.005	0.1
2270	0.005	0.1
2275	0.005	0.1
2280	0.005	0.1
2285	0.005	0.1
2290	0.005	0.1
2295	0.004	0.0
2300	0.004	0.1
2305	0.004	0.1
2310	0.004	0.1
2315	0.004	0.0
2320	0.004	0.0
2325	0.004	0.0
2330	0.004	0.0
2335	0.004	0.0
2340	0.004	0.0
2345	0.004	0.0
2350	0.004	0.0
2355	0.004	0.0
2360	0.004	0.0
2365	0.004	0.0
2370	0.004	0.0
2375	0.004	0.0
2380	0.004	0.0
2385	0.004	0.0
2390	0.004	0.0
2395	0.004	0.0
2400	0.004	0.0
2405	0.004	0.0
2410	0.004	0.0
2415	0.004	0.0
2420	0.004	0.0
2425	0.004	0.0
2430	0.004	0.0
2435	0.004	0.0
2440	0.004	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.004	0.0
2450	0.004	0.0
2455	0.004	0.0
2460	0.004	0.0
2465	0.004	0.0
2470	0.004	0.0
2475	0.004	0.0
2480	0.004	0.0
2485	0.004	0.0
2490	0.004	0.0
2495	0.004	0.0
2500	0.004	0.0
2505	0.003	0.0
2510	0.003	0.0
2515	0.003	0.0
2520	0.004	0.0
2525	0.003	0.0
2530	0.003	0.0
2535	0.003	0.0
2540	0.003	0.0
2545	0.003	0.0
2550	0.003	0.0
2555	0.003	0.0
2560	0.003	0.0
2565	0.003	0.0
2570	0.003	0.0
2575	0.003	0.0
2580	0.003	0.0
2585	0.003	0.0
2590	0.003	0.0
2595	0.003	0.0
2600	0.003	0.0
2605	0.003	0.0
2610	0.003	0.0
2615	0.003	0.0
2620	0.003	0.0
2625	0.003	0.0
2630	0.003	0.0
2635	0.003	0.0
2640	0.003	0.0
2645	0.003	0.0
2650	0.003	0.0
2655	0.003	0.0
2660	0.003	0.0
2665	0.003	0.0
2670	0.003	0.0
2675	0.003	0.0
2680	0.003	0.0
2685	0.003	0.0
2690	0.003	0.0
2695	0.003	0.0
2700	0.003	0.0
2705	0.003	0.0
2710	0.003	0.0
2715	0.003	0.0
2720	0.003	0.0
2725	0.003	0.0
2730	0.003	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.003	0.0
2740	0.003	0.0
2745	0.003	0.0
2750	0.003	0.0
2755	0.003	0.0
2760	0.003	0.0
2765	0.003	0.0
2770	0.003	0.0
2775	0.003	0.0
2780	0.003	0.0
2785	0.003	0.0
2790	0.003	0.0
2795	0.003	0.0
2800	0.003	0.0
2805	0.003	0.0
2810	0.003	0.0
2815	0.003	0.0
2820	0.003	0.0
2825	0.003	0.0
2830	0.003	0.0
2835	0.003	0.0
2840	0.003	0.0
2845	0.003	0.0
2850	0.003	0.0
2855	0.003	0.0
2860	0.003	0.0
2865	0.003	0.0
2870	0.003	0.0
2875	0.003	0.0
2880	0.003	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof R Front

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

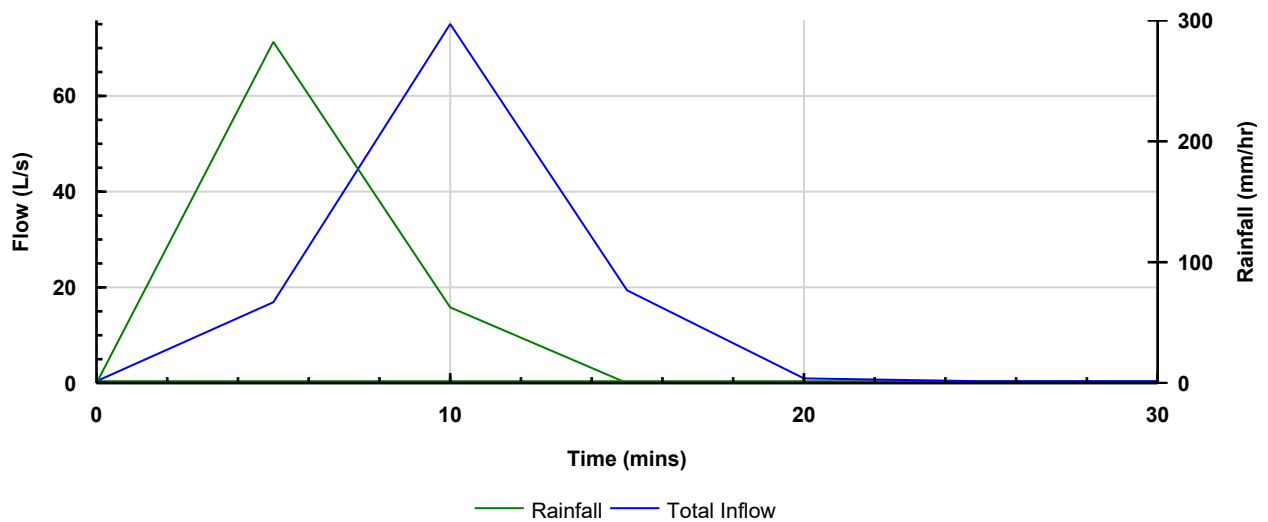
Type : Catchment Area

Inflow

Max. Inflow (L/s)	75.0
Total Inflow Volume (m³)	32.715

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Service Yard R

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

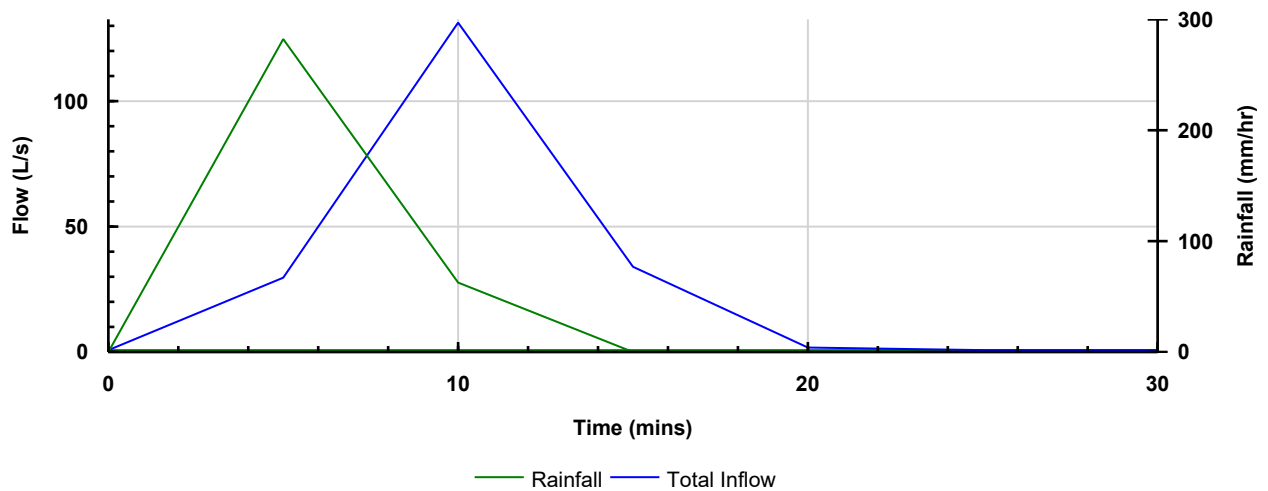
Type : Catchment Area

Inflow

Max. Inflow (L/s)	131.3
Total Inflow Volume (m³)	57.249

Graphs

Flow Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



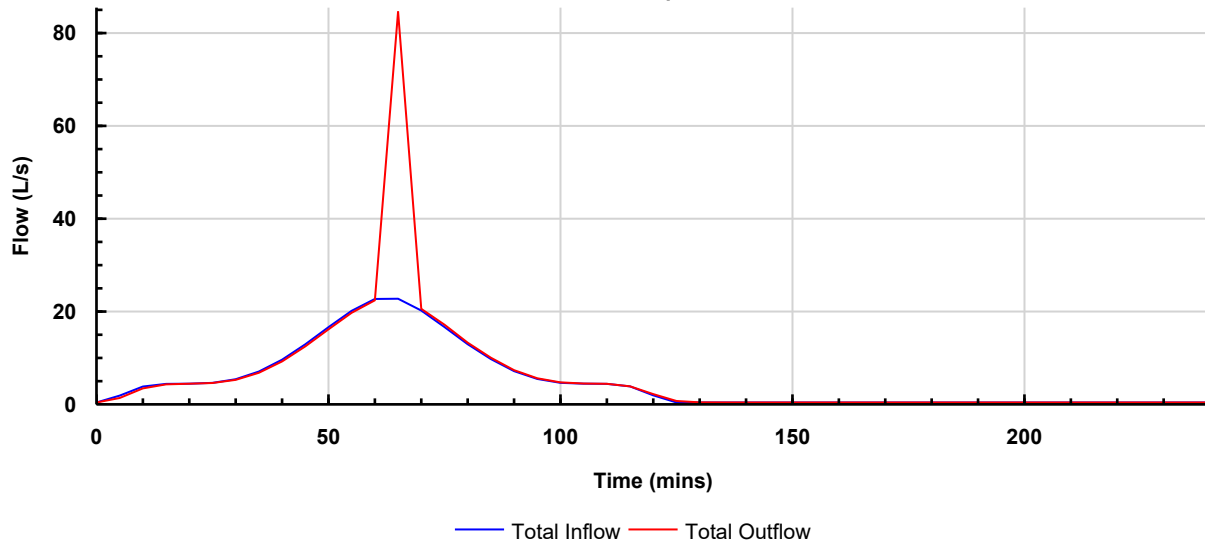
SMH-05

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 120 mins: Winter

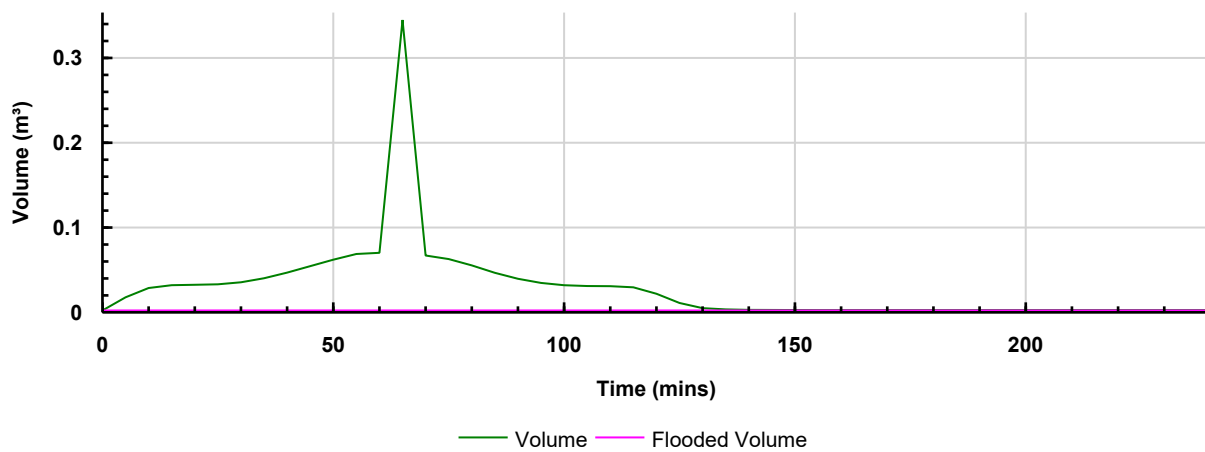
Type : Manhole

Graphs

Flow Graph

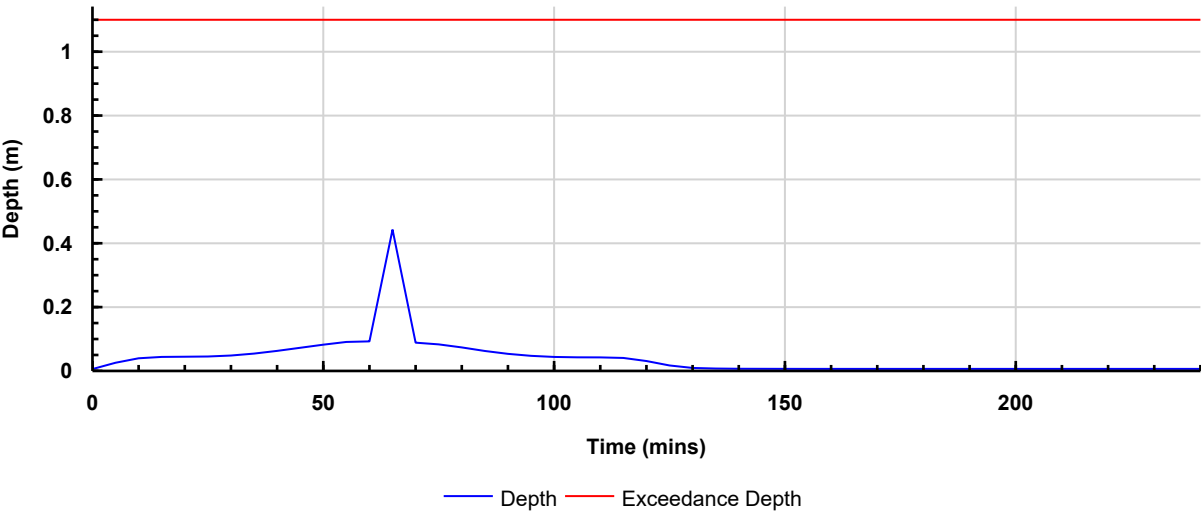


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	1.5	1.5	1.5	0.020	0.016	0.000	1.0
10	3.5	3.5	3.5	0.034	0.027	0.000	3.1
15	4.0	4.0	4.0	0.038	0.030	0.000	3.9
20	4.1	4.1	4.1	0.039	0.030	0.000	4.1
25	4.2	4.2	4.2	0.040	0.031	0.000	4.2
30	5.0	5.0	5.0	0.043	0.033	0.000	4.9
35	6.7	6.7	6.7	0.049	0.038	0.000	6.4
40	9.3	9.3	9.3	0.057	0.045	0.000	8.9
45	12.6	12.6	12.6	0.067	0.053	0.000	12.1
50	16.3	16.3	16.3	0.077	0.060	0.000	15.8
55	19.8	19.8	19.8	0.085	0.067	0.000	19.4
60	22.4	22.4	22.4	0.087	0.068	0.000	22.1
65	22.5	22.5	22.5	0.439	0.345	0.000	84.6
70	19.9	19.9	19.9	0.083	0.065	0.000	20.3
75	16.3	16.3	16.3	0.078	0.061	0.000	16.8
80	12.6	12.6	12.6	0.068	0.053	0.000	12.9
85	9.4	9.4	9.4	0.057	0.045	0.000	9.7
90	6.8	6.8	6.8	0.048	0.038	0.000	7.0
95	5.1	5.1	5.1	0.042	0.033	0.000	5.2
100	4.3	4.3	4.3	0.038	0.030	0.000	4.4
105	4.1	4.1	4.1	0.037	0.029	0.000	4.1
110	4.0	4.0	4.0	0.037	0.029	0.000	4.0
115	3.5	3.5	3.5	0.035	0.027	0.000	3.5
120	1.5	1.5	1.5	0.025	0.020	0.000	1.8
125	0.0	0.0	0.0	0.011	0.009	0.000	0.3
130	0.0	0.0	0.0	0.004	0.003	0.000	0.0
135	0.0	0.0	0.0	0.002	0.001	0.000	0.0
140	0.0	0.0	0.0	0.001	0.001	0.000	0.0
145	0.0	0.0	0.0	0.001	0.001	0.000	0.0
150	0.0	0.0	0.0	0.001	0.001	0.000	0.0
155	0.0	0.0	0.0	0.001	0.000	0.000	0.0
160	0.0	0.0	0.0	0.001	0.000	0.000	0.0
165	0.0	0.0	0.0	0.001	0.000	0.000	0.0
170	0.0	0.0	0.0	0.001	0.000	0.000	0.0
175	0.0	0.0	0.0	0.001	0.000	0.000	0.0
180	0.0	0.0	0.0	0.001	0.000	0.000	0.0
185	0.0	0.0	0.0	0.001	0.000	0.000	0.0
190	0.0	0.0	0.0	0.001	0.000	0.000	0.0
195	0.0	0.0	0.0	0.001	0.000	0.000	0.0
200	0.0	0.0	0.0	0.001	0.000	0.000	0.0
205	0.0	0.0	0.0	0.001	0.000	0.000	0.0
210	0.0	0.0	0.0	0.001	0.000	0.000	0.0
215	0.0	0.0	0.0	0.001	0.000	0.000	0.0
220	0.0	0.0	0.0	0.001	0.000	0.000	0.0
225	0.0	0.0	0.0	0.001	0.000	0.000	0.0
230	0.0	0.0	0.0	0.001	0.000	0.000	0.0
235	0.0	0.0	0.0	0.001	0.000	0.000	0.0
240	0.0	0.0	0.0	0.001	0.000	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	1.0
10	3.1
15	3.9
20	4.1
25	4.2
30	4.9
35	6.4
40	8.9
45	12.1
50	15.8
55	19.4
60	22.1
65	84.6
70	20.3
75	16.8
80	12.9
85	9.7
90	7.0
95	5.2
100	4.4
105	4.1
110	4.0
115	3.5
120	1.8
125	0.3
130	0.0
135	0.0
140	0.0
145	0.0
150	0.0
155	0.0
160	0.0
165	0.0
170	0.0
175	0.0
180	0.0
185	0.0
190	0.0
195	0.0
200	0.0
205	0.0
210	0.0
215	0.0
220	0.0
225	0.0
230	0.0
235	0.0
240	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		

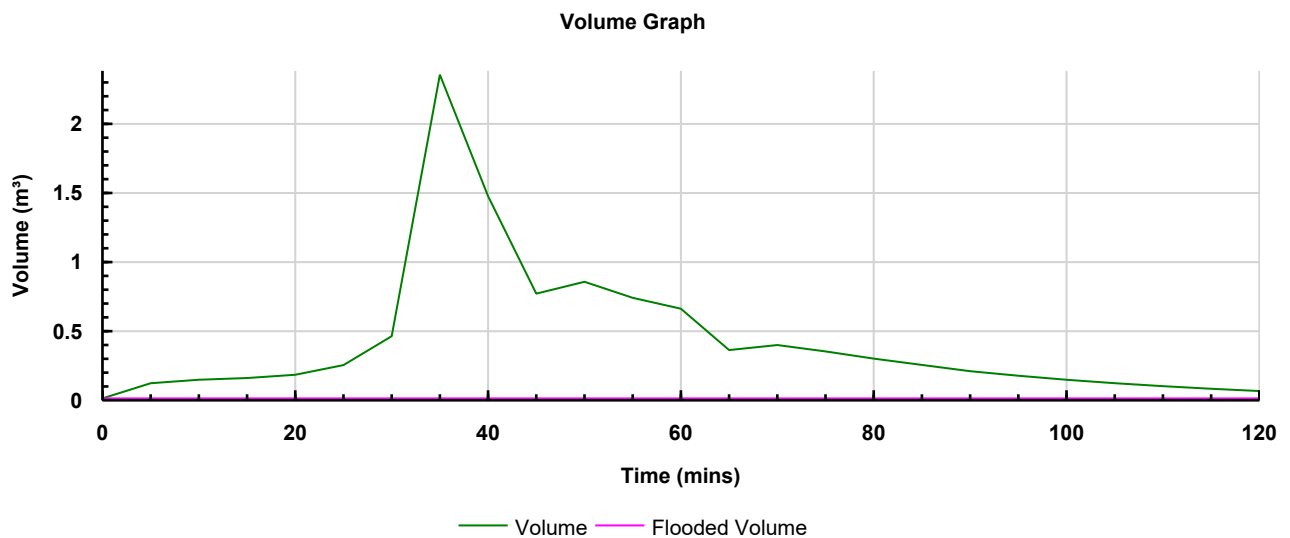
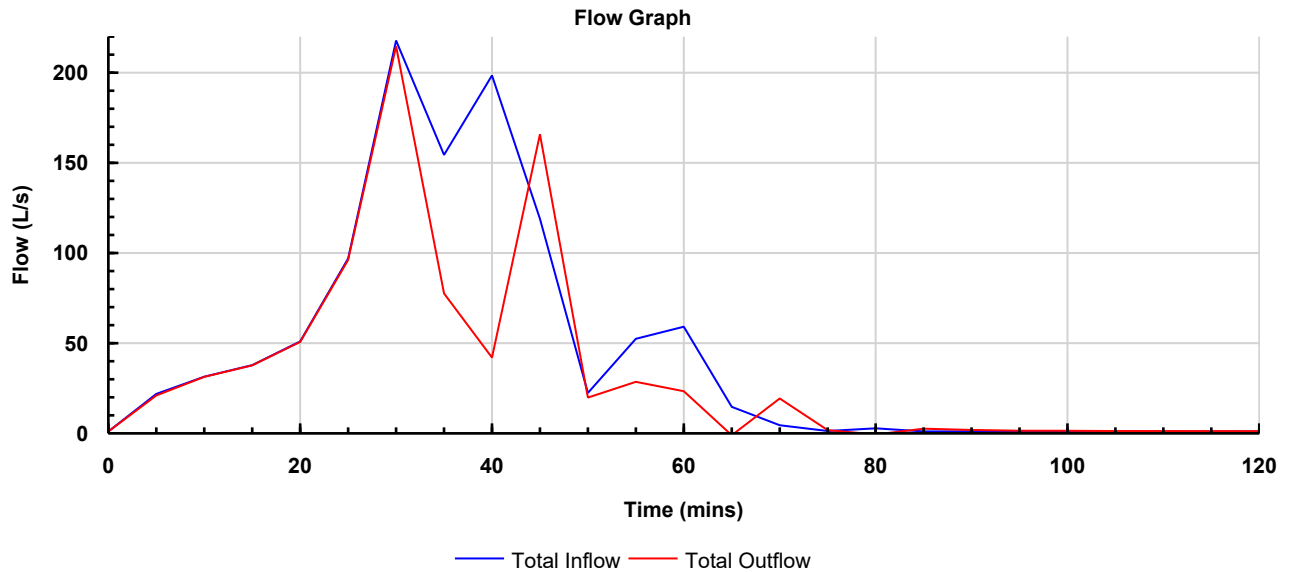


SMH-04

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Summer

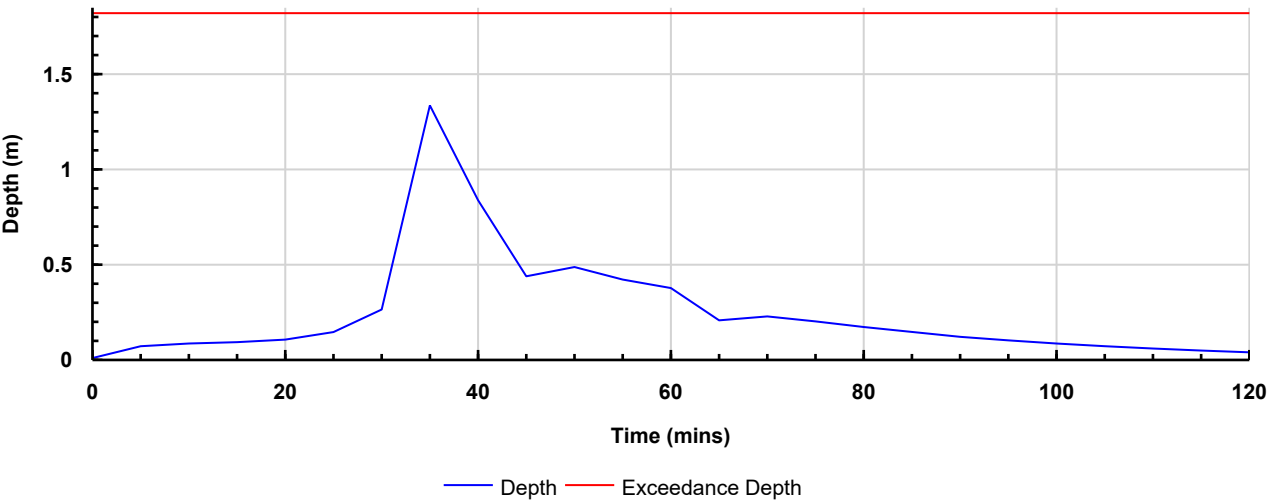
Type : Manhole

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	20.9	12.0	8.9	20.9	0.062	0.110	0.000
10	30.5	20.4	10.2	30.5	0.077	0.136	0.000
15	37.0	24.6	12.4	37.0	0.084	0.148	0.000
20	50.2	33.2	17.0	50.2	0.097	0.172	0.000
25	96.4	62.9	33.5	96.4	0.137	0.242	0.000
30	217.8	142.1	75.7	217.8	0.256	0.453	0.000
35	154.1	78.3	75.8	154.1	1.333	2.356	0.000
40	198.3	163.2	35.2	198.4	0.833	1.471	0.000
45	118.5	101.4	17.1	118.5	0.431	0.762	0.000
50	18.8	6.4	12.4	21.5	0.480	0.849	0.000
55	51.6	41.4	10.2	51.6	0.414	0.732	0.000
60	58.3	49.3	9.0	58.4	0.369	0.653	0.000
65	11.6	11.6	0.0	13.7	0.199	0.352	0.000
70	3.5	3.5	0.0	3.5	0.220	0.388	0.000
75	0.3	0.3	0.0	0.3	0.193	0.342	0.000
80	0.1	0.1	0.0	1.8	0.164	0.289	0.000
85	0.0	0.0	0.0	0.0	0.138	0.244	0.000
90	0.0	0.0	0.0	0.0	0.112	0.198	0.000
95	0.0	0.0	0.0	0.0	0.093	0.165	0.000
100	0.0	0.0	0.0	0.0	0.077	0.136	0.000
105	0.0	0.0	0.0	0.0	0.063	0.111	0.000
110	0.0	0.0	0.0	0.0	0.050	0.089	0.000
115	0.0	0.0	0.0	0.0	0.040	0.070	0.000
120	0.0	0.0	0.0	0.0	0.030	0.054	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	20.1	20.1
10	30.4	30.4
15	36.8	36.8
20	49.9	49.9
25	95.6	95.6
30	214.7	214.7
35	76.9	76.9
40	41.2	41.2
45	165.6	165.6
50	18.9	18.9
55	27.7	27.7
60	22.4	22.4
65	-2.1	-2.1
70	18.4	18.4
75	0.7	0.7
80	-1.7	-1.7
85	1.5	1.5
90	0.9	0.9
95	0.4	0.4
100	0.4	0.4
105	0.2	0.2
110	0.2	0.2
115	0.2	0.2
120	0.2	0.2

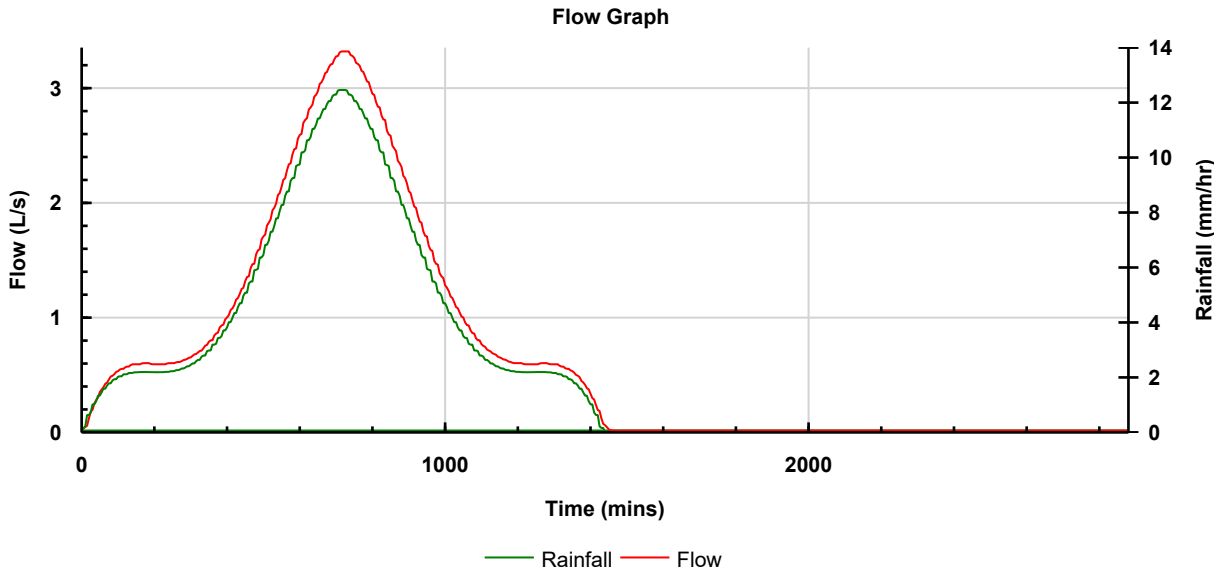
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 2.01
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.002	0.0
10	0.003	0.0
15	0.003	0.0
20	0.006	0.1
25	0.008	0.2
30	0.009	0.2
35	0.010	0.2
40	0.011	0.3
45	0.011	0.3
50	0.012	0.3
55	0.012	0.4
60	0.013	0.4
65	0.013	0.4
70	0.013	0.4
75	0.014	0.4
80	0.014	0.5
85	0.014	0.5
90	0.014	0.5
95	0.015	0.5
100	0.015	0.5
105	0.015	0.5
110	0.015	0.5
115	0.015	0.5
120	0.015	0.6

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
125	0.015	0.6
130	0.015	0.6
135	0.015	0.6
140	0.015	0.6
145	0.015	0.6
150	0.015	0.6
155	0.015	0.6
160	0.015	0.6
165	0.015	0.6
170	0.016	0.6
175	0.016	0.6
180	0.016	0.6
185	0.016	0.6
190	0.015	0.6
195	0.015	0.6
200	0.015	0.6
205	0.015	0.6
210	0.015	0.6
215	0.015	0.6
220	0.015	0.6
225	0.015	0.6
230	0.015	0.6
235	0.015	0.6
240	0.016	0.6
245	0.016	0.6
250	0.016	0.6
255	0.016	0.6
260	0.016	0.6
265	0.016	0.6
270	0.016	0.6
275	0.016	0.6
280	0.016	0.6
285	0.016	0.6
290	0.016	0.6
295	0.016	0.6
300	0.016	0.6
305	0.016	0.7
310	0.016	0.7
315	0.016	0.7
320	0.017	0.7
325	0.017	0.7
330	0.017	0.7
335	0.017	0.7
340	0.017	0.7
345	0.017	0.7
350	0.018	0.8
355	0.018	0.8
360	0.018	0.8
365	0.018	0.8
370	0.018	0.8
375	0.019	0.9
380	0.019	0.9
385	0.019	0.9
390	0.019	0.9
395	0.020	1.0
400	0.020	1.0
405	0.020	1.0
410	0.020	1.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
415	0.021	1.1
420	0.021	1.1
425	0.021	1.1
430	0.021	1.2
435	0.022	1.2
440	0.022	1.2
445	0.022	1.2
450	0.023	1.3
455	0.023	1.3
460	0.023	1.3
465	0.024	1.4
470	0.024	1.5
475	0.024	1.5
480	0.024	1.5
485	0.025	1.6
490	0.025	1.6
495	0.025	1.7
500	0.026	1.7
505	0.026	1.7
510	0.026	1.8
515	0.026	1.8
520	0.027	1.9
525	0.027	1.9
530	0.027	1.9
535	0.027	2.0
540	0.028	2.1
545	0.028	2.1
550	0.028	2.1
555	0.029	2.2
560	0.029	2.2
565	0.029	2.3
570	0.030	2.3
575	0.030	2.3
580	0.030	2.4
585	0.030	2.5
590	0.030	2.5
595	0.031	2.6
600	0.031	2.6
605	0.031	2.6
610	0.032	2.7
615	0.032	2.7
620	0.032	2.7
625	0.032	2.8
630	0.033	2.8
635	0.033	2.9
640	0.033	2.9
645	0.033	2.9
650	0.033	3.0
655	0.034	3.0
660	0.034	3.0
665	0.034	3.1
670	0.034	3.1
675	0.034	3.1
680	0.034	3.2
685	0.035	3.2
690	0.035	3.2
695	0.035	3.2
700	0.035	3.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
705	0.035	3.3
710	0.035	3.3
715	0.035	3.3
720	0.035	3.3
725	0.035	3.3
730	0.035	3.3
735	0.035	3.3
740	0.035	3.3
745	0.035	3.3
750	0.035	3.3
755	0.035	3.2
760	0.035	3.2
765	0.034	3.2
770	0.034	3.2
775	0.034	3.1
780	0.034	3.1
785	0.034	3.1
790	0.034	3.1
795	0.033	3.0
800	0.033	2.9
805	0.033	2.9
810	0.033	2.9
815	0.033	2.8
820	0.033	2.8
825	0.032	2.8
830	0.032	2.7
835	0.032	2.7
840	0.031	2.6
845	0.031	2.6
850	0.031	2.6
855	0.031	2.5
860	0.030	2.5
865	0.030	2.4
870	0.030	2.4
875	0.030	2.3
880	0.029	2.3
885	0.029	2.2
890	0.029	2.2
895	0.029	2.2
900	0.028	2.1
905	0.028	2.1
910	0.028	2.0
915	0.027	2.0
920	0.027	2.0
925	0.027	1.9
930	0.026	1.8
935	0.026	1.8
940	0.026	1.7
945	0.026	1.7
950	0.026	1.7
955	0.025	1.6
960	0.025	1.6
965	0.025	1.6
970	0.024	1.5
975	0.024	1.5
980	0.024	1.5
985	0.023	1.4
990	0.023	1.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
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Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
995	0.023	1.3
1000	0.022	1.3
1005	0.022	1.3
1010	0.022	1.2
1015	0.021	1.2
1020	0.021	1.2
1025	0.021	1.1
1030	0.021	1.1
1035	0.021	1.1
1040	0.020	1.0
1045	0.020	1.0
1050	0.020	1.0
1055	0.019	0.9
1060	0.019	0.9
1065	0.019	0.9
1070	0.019	0.9
1075	0.018	0.9
1080	0.018	0.9
1085	0.018	0.8
1090	0.018	0.8
1095	0.018	0.8
1100	0.017	0.8
1105	0.017	0.7
1110	0.017	0.7
1115	0.017	0.7
1120	0.017	0.7
1125	0.017	0.7
1130	0.017	0.7
1135	0.016	0.7
1140	0.016	0.7
1145	0.016	0.6
1150	0.016	0.6
1155	0.016	0.6
1160	0.016	0.6
1165	0.016	0.6
1170	0.016	0.6
1175	0.016	0.6
1180	0.016	0.6
1185	0.016	0.6
1190	0.016	0.6
1195	0.016	0.6
1200	0.016	0.6
1205	0.016	0.6
1210	0.016	0.6
1215	0.015	0.6
1220	0.015	0.6
1225	0.015	0.6
1230	0.015	0.6
1235	0.015	0.6
1240	0.015	0.6
1245	0.015	0.6
1250	0.015	0.6
1255	0.015	0.6
1260	0.015	0.6
1265	0.016	0.6
1270	0.016	0.6
1275	0.016	0.6
1280	0.016	0.6

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1285	0.015	0.6
1290	0.015	0.6
1295	0.015	0.6
1300	0.015	0.6
1305	0.015	0.6
1310	0.015	0.6
1315	0.015	0.6
1320	0.015	0.6
1325	0.015	0.6
1330	0.015	0.5
1335	0.015	0.5
1340	0.015	0.5
1345	0.015	0.5
1350	0.015	0.5
1355	0.014	0.5
1360	0.014	0.5
1365	0.014	0.5
1370	0.014	0.5
1375	0.013	0.4
1380	0.013	0.4
1385	0.013	0.4
1390	0.013	0.4
1395	0.012	0.4
1400	0.012	0.3
1405	0.011	0.3
1410	0.011	0.3
1415	0.010	0.2
1420	0.009	0.2
1425	0.008	0.2
1430	0.006	0.1
1435	0.004	0.1
1440	0.004	0.0
1445	0.003	0.0
1450	0.001	0.0
1455	0.001	0.0
1460	0.000	0.0
1465	0.000	0.0
1470	0.000	0.0
1475	0.000	0.0
1480	0.000	0.0
1485	0.000	0.0
1490	0.000	0.0
1495	0.000	0.0
1500	0.000	0.0
1505	0.000	0.0
1510	0.000	0.0
1515	0.000	0.0
1520	0.000	0.0
1525	0.000	0.0
1530	0.000	0.0
1535	0.000	0.0
1540	0.000	0.0
1545	0.000	0.0
1550	0.000	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



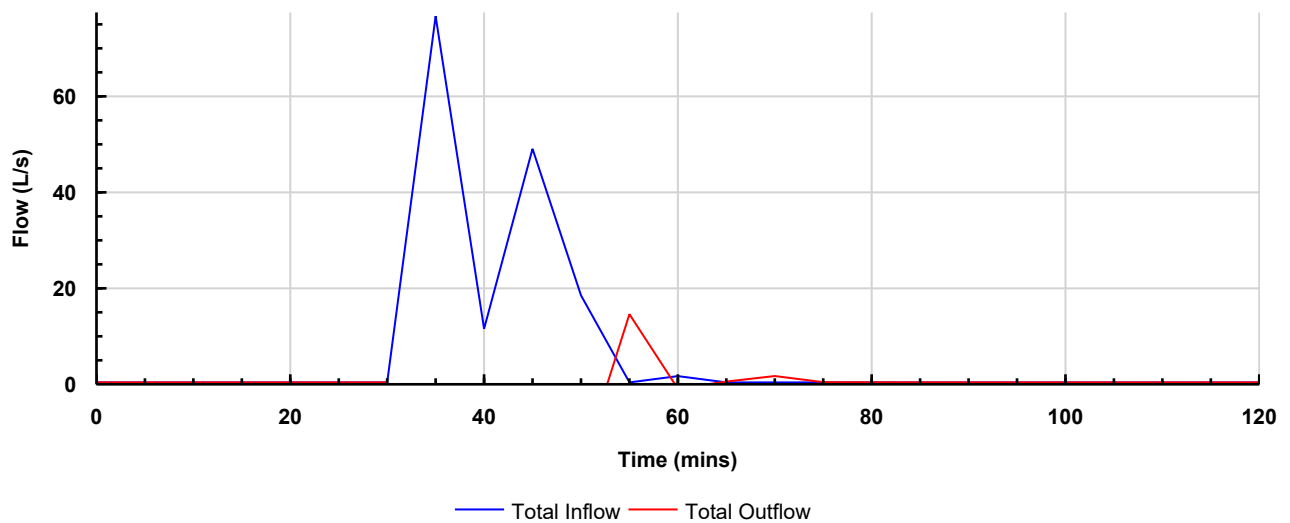
SMH-08

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Winter

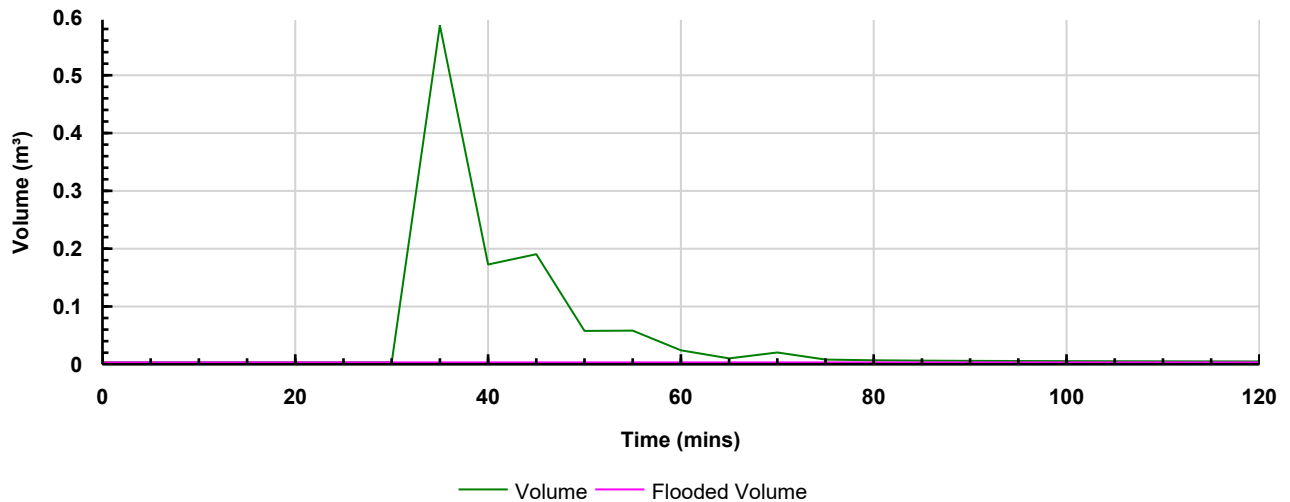
Type : Manhole

Graphs

Flow Graph

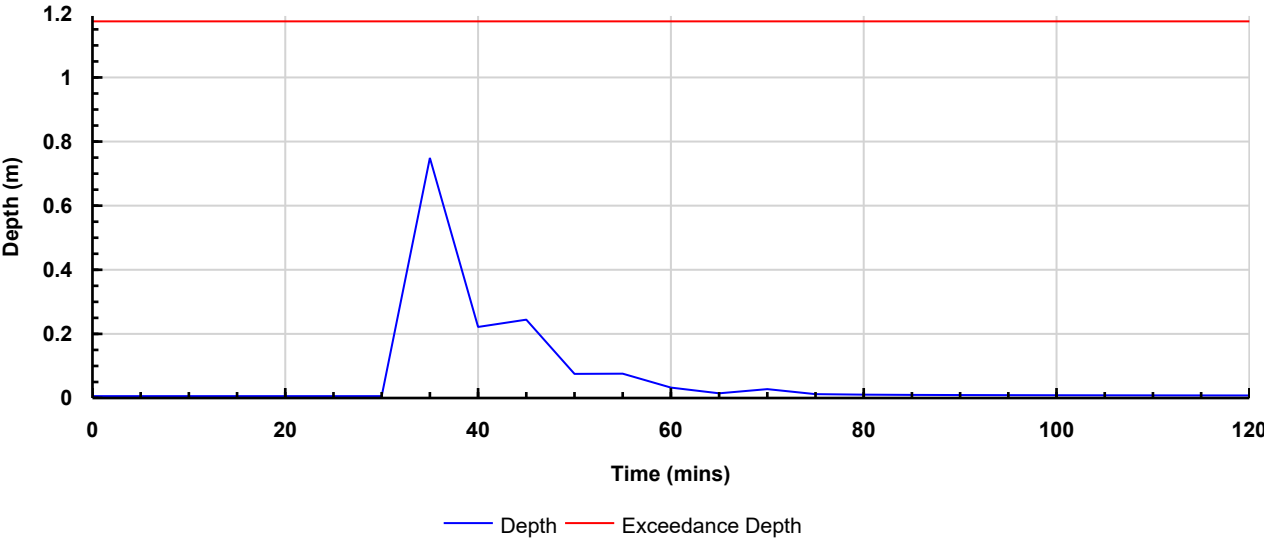


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0	0.000	0.000	0.000	0.0	0.0
5	0.0	0.0	0.000	0.000	0.000	0.0	0.0
10	0.0	0.0	0.000	0.000	0.000	0.0	0.0
15	0.0	0.0	0.000	0.000	0.000	0.0	0.0
20	0.0	0.0	0.000	0.000	0.000	0.0	0.0
25	0.0	0.0	0.000	0.000	0.000	0.0	0.0
30	0.0	0.0	0.000	0.000	0.000	0.0	0.0
35	0.0	76.7	0.747	0.586	0.000	-76.7	-76.7
40	0.0	11.2	0.217	0.170	0.000	-11.2	-11.2
45	0.0	48.9	0.240	0.188	0.000	-48.9	-48.9
50	0.0	18.2	0.070	0.055	0.000	-17.7	-17.7
55	0.0	0.0	0.070	0.055	0.000	14.3	14.3
60	0.0	1.3	0.027	0.021	0.000	-1.3	-1.3
65	0.0	0.0	0.009	0.007	0.000	0.2	0.2
70	0.0	0.0	0.022	0.017	0.000	1.3	1.3
75	0.0	0.0	0.006	0.005	0.000	0.1	0.1
80	0.0	0.0	0.005	0.004	0.000	0.0	0.0
85	0.0	0.0	0.004	0.003	0.000	0.0	0.0
90	0.0	0.0	0.003	0.003	0.000	0.0	0.0
95	0.0	0.0	0.003	0.002	0.000	0.0	0.0
100	0.0	0.0	0.003	0.002	0.000	0.0	0.0
105	0.0	0.0	0.003	0.002	0.000	0.0	0.0
110	0.0	0.0	0.002	0.002	0.000	0.0	0.0
115	0.0	0.0	0.002	0.002	0.000	0.0	0.0
120	0.0	0.0	0.002	0.002	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



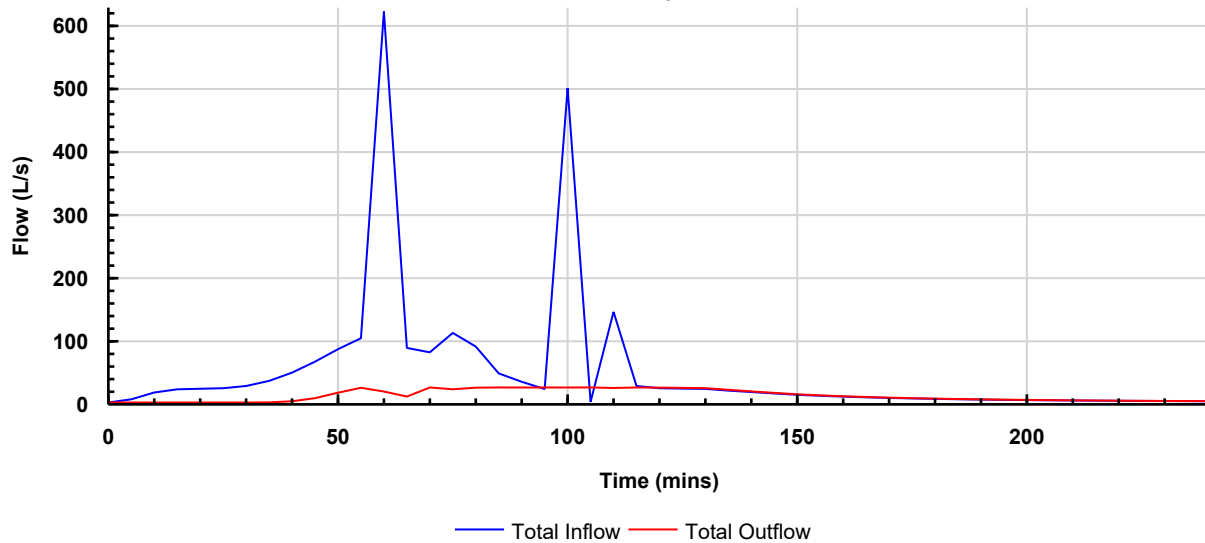
SMH-06

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 120 mins: Winter

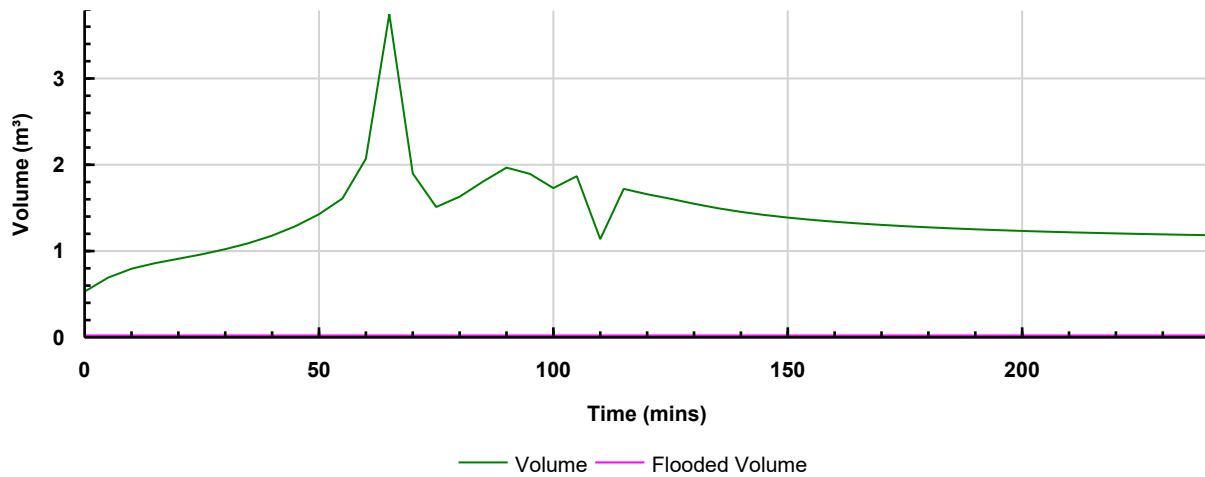
Type : Manhole

Graphs

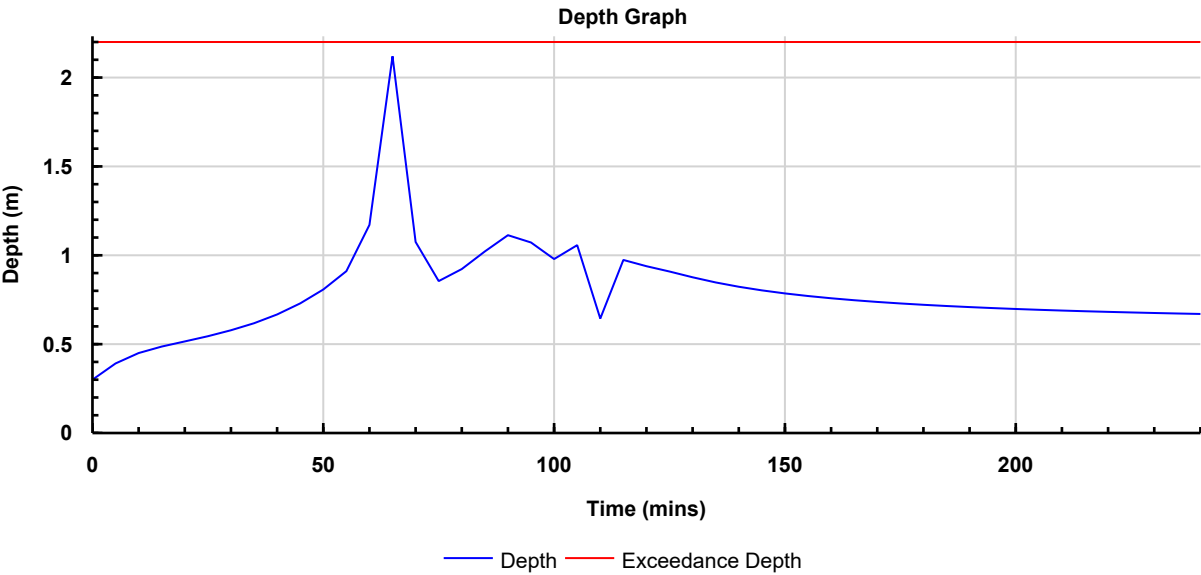
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	2.7	2.7	5.1	0.391	0.692	0.000	0.0
10	1.0	1.0	15.9	0.450	0.795	0.000	0.0
15	0.6	0.6	21.0	0.486	0.860	0.000	0.0
20	0.8	0.8	21.9	0.515	0.911	0.000	0.0
25	0.8	0.8	22.7	0.545	0.962	0.000	0.0
30	0.9	0.9	26.3	0.578	1.022	0.000	0.0
35	1.7	1.7	34.4	0.618	1.091	0.000	0.2
40	4.3	4.3	47.5	0.667	1.179	0.000	1.9
45	10.4	10.4	65.0	0.729	1.289	0.000	6.9
50	19.9	19.9	84.9	0.807	1.427	0.000	15.6
55	27.8	27.8	102.4	0.911	1.609	0.000	23.4
60	584.0	584.0	622.7	1.171	2.069	0.000	17.5
65	79.6	79.6	86.9	2.120	3.746	0.000	9.4
70	31.2	31.2	79.9	1.075	1.900	0.000	23.9
75	-49.2	-49.2	110.8	0.855	1.511	0.000	21.0
80	32.5	32.5	89.1	0.923	1.630	0.000	23.6
85	26.0	26.0	46.3	1.022	1.805	0.000	23.9
90	31.7	31.7	33.0	1.113	1.967	0.000	23.8
95	21.3	21.3	21.4	1.072	1.894	0.000	23.9
100	500.9	500.9	500.9	0.979	1.730	0.000	23.9
105	-16.1	-16.1	1.0	1.057	1.868	0.000	23.9
110	-344.1	-344.1	144.4	0.644	1.138	0.000	23.1
115	26.0	26.0	26.3	0.974	1.721	0.000	23.9
120	22.7	22.7	22.7	0.939	1.658	0.000	23.7
125	22.1	22.1	22.1	0.909	1.606	0.000	23.3
130	21.7	21.7	21.7	0.876	1.548	0.000	22.8
135	18.9	18.9	18.9	0.847	1.497	0.000	20.2
140	16.6	16.6	16.6	0.823	1.454	0.000	17.7
145	14.4	14.4	14.4	0.803	1.418	0.000	15.3
150	12.3	12.3	12.3	0.785	1.388	0.000	13.1
155	10.7	10.7	10.7	0.771	1.362	0.000	11.4
160	9.3	9.3	9.3	0.758	1.340	0.000	9.9
165	8.2	8.2	8.2	0.747	1.320	0.000	8.7
170	7.3	7.3	7.3	0.738	1.303	0.000	7.7
175	6.4	6.4	6.4	0.729	1.288	0.000	6.8
180	5.7	5.7	5.7	0.721	1.275	0.000	6.1
185	5.2	5.2	5.2	0.715	1.263	0.000	5.5
190	4.6	4.6	4.6	0.709	1.252	0.000	4.9
195	4.2	4.2	4.2	0.703	1.242	0.000	4.5
200	3.8	3.8	3.8	0.698	1.233	0.000	4.1
205	3.5	3.5	3.5	0.693	1.225	0.000	3.7
210	3.2	3.2	3.2	0.689	1.218	0.000	3.4
215	2.9	2.9	2.9	0.685	1.211	0.000	3.1
220	2.7	2.7	2.7	0.682	1.204	0.000	2.8
225	2.5	2.5	2.5	0.678	1.199	0.000	2.6
230	2.3	2.3	2.3	0.675	1.193	0.000	2.4
235	2.1	2.1	2.1	0.673	1.188	0.000	2.3
240	2.0	2.0	2.0	0.670	1.184	0.000	2.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.2
40	1.9
45	6.9
50	15.6
55	23.4
60	17.5
65	9.4
70	23.9
75	21.0
80	23.6
85	23.9
90	23.8
95	23.9
100	23.9
105	23.9
110	23.1
115	23.9
120	23.7
125	23.3
130	22.8
135	20.2
140	17.7
145	15.3
150	13.1
155	11.4
160	9.9
165	8.7
170	7.7
175	6.8
180	6.1
185	5.5
190	4.9
195	4.5
200	4.1
205	3.7
210	3.4
215	3.1
220	2.8
225	2.6
230	2.4
235	2.3
240	2.1

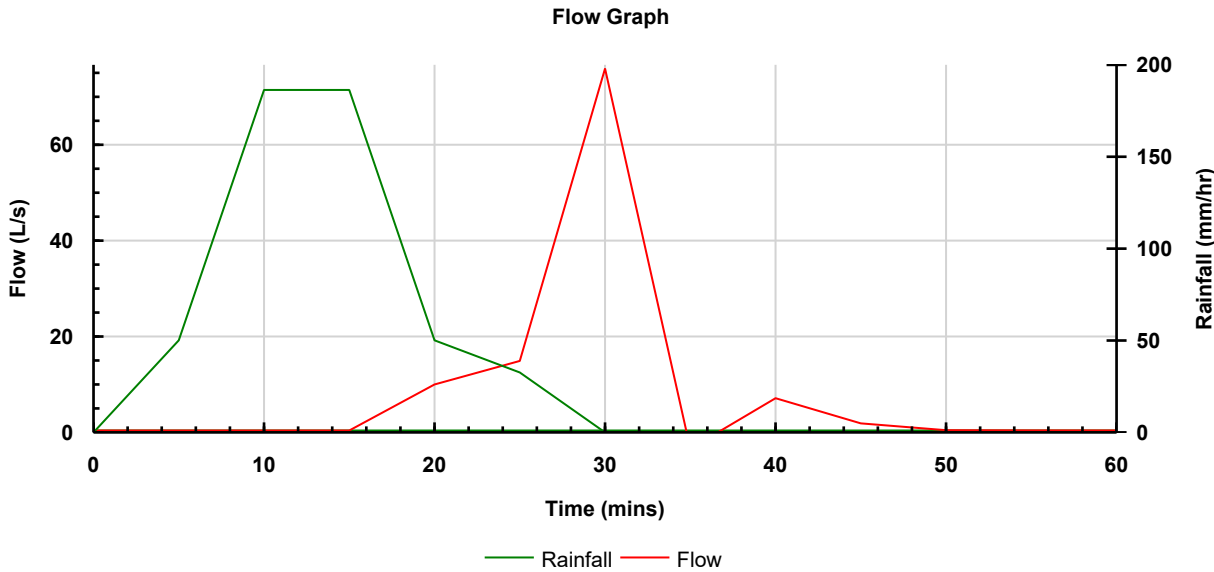
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 3.01
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.089	0.0
20	0.067	9.7
25	0.166	14.6
30	0.300	75.9
35	0.300	-3.8
40	0.300	6.8
45	0.201	1.5
50	0.168	0.1
55	0.146	0.0
60	0.131	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		

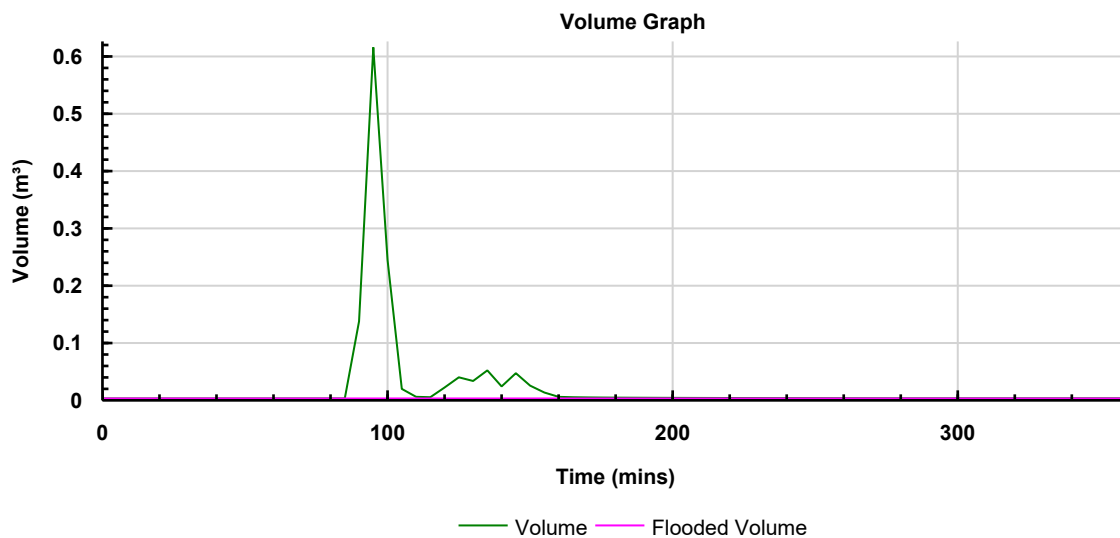
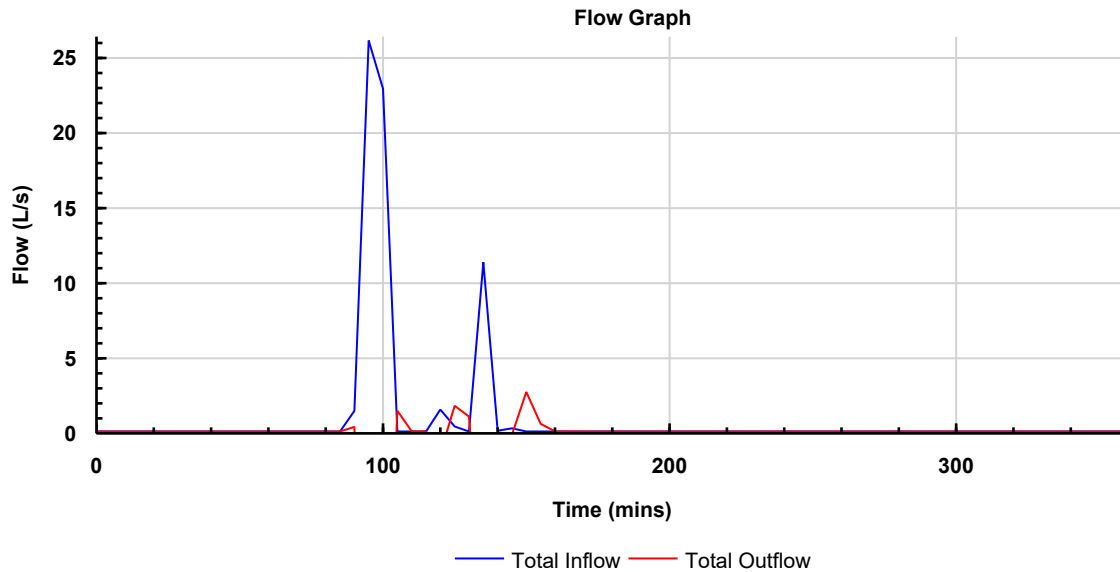


SMH-07

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 180 mins: Summer

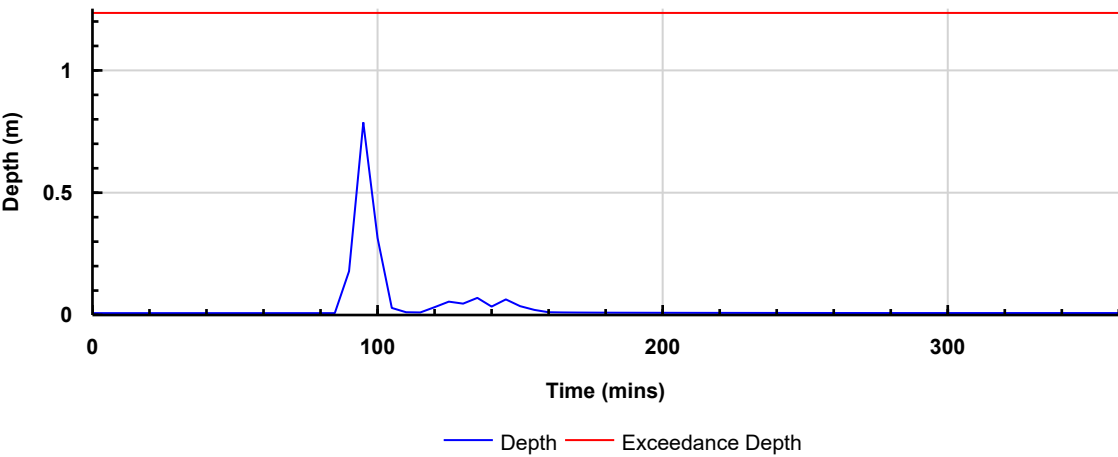
Type : Manhole

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0	0.000	0.000	0.000	0.0	0.0
5	0.0	0.0	0.000	0.000	0.000	0.0	0.0
10	0.0	0.0	0.000	0.000	0.000	0.0	0.0
15	0.0	0.0	0.000	0.000	0.000	0.0	0.0
20	0.0	0.0	0.000	0.000	0.000	0.0	0.0
25	0.0	0.0	0.000	0.000	0.000	0.0	0.0
30	0.0	0.0	0.000	0.000	0.000	0.0	0.0
35	0.0	0.0	0.000	0.000	0.000	0.0	0.0
40	0.0	0.0	0.000	0.000	0.000	0.0	0.0
45	0.0	0.0	0.000	0.000	0.000	0.0	0.0
50	0.0	0.0	0.000	0.000	0.000	0.0	0.0
55	0.0	0.0	0.000	0.000	0.000	0.0	0.0
60	0.0	0.0	0.000	0.000	0.000	0.0	0.0
65	0.0	0.0	0.000	0.000	0.000	0.0	0.0
70	0.0	0.0	0.000	0.000	0.000	0.0	0.0
75	0.0	0.0	0.000	0.000	0.000	0.0	0.0
80	0.0	0.0	0.000	0.000	0.000	0.0	0.0
85	0.0	0.0	0.000	0.000	0.000	0.0	0.0
90	0.0	1.4	0.172	0.135	0.000	0.3	0.3
95	0.0	26.2	0.784	0.616	0.000	-26.2	-26.2
100	0.0	22.9	0.309	0.243	0.000	-20.3	-20.3
105	0.0	0.0	0.021	0.017	0.000	1.4	1.4
110	0.0	0.0	0.004	0.003	0.000	0.0	0.0
115	0.0	0.0	0.003	0.002	0.000	0.0	0.0
120	0.0	1.5	0.024	0.019	0.000	-1.5	-1.5
125	0.0	0.3	0.047	0.037	0.000	1.7	1.7
130	0.0	0.0	0.039	0.031	0.000	1.0	1.0
135	0.0	11.3	0.063	0.049	0.000	-11.3	-11.3
140	0.0	0.1	0.027	0.021	0.000	-0.1	-0.1
145	0.0	0.2	0.056	0.044	0.000	-0.2	-0.2
150	0.0	0.0	0.029	0.023	0.000	2.6	2.6
155	0.0	0.0	0.013	0.010	0.000	0.5	0.5
160	0.0	0.0	0.004	0.003	0.000	0.0	0.0
165	0.0	0.0	0.003	0.002	0.000	0.0	0.0
170	0.0	0.0	0.002	0.002	0.000	0.0	0.0
175	0.0	0.0	0.002	0.002	0.000	0.0	0.0
180	0.0	0.0	0.002	0.001	0.000	0.0	0.0
185	0.0	0.0	0.002	0.001	0.000	0.0	0.0
190	0.0	0.0	0.002	0.001	0.000	0.0	0.0
195	0.0	0.0	0.001	0.001	0.000	0.0	0.0
200	0.0	0.0	0.001	0.001	0.000	0.0	0.0
205	0.0	0.0	0.001	0.001	0.000	0.0	0.0
210	0.0	0.0	0.001	0.001	0.000	0.0	0.0
215	0.0	0.0	0.001	0.001	0.000	0.0	0.0
220	0.0	0.0	0.001	0.001	0.000	0.0	0.0
225	0.0	0.0	0.001	0.001	0.000	0.0	0.0
230	0.0	0.0	0.001	0.001	0.000	0.0	0.0
235	0.0	0.0	0.001	0.001	0.000	0.0	0.0
240	0.0	0.0	0.001	0.001	0.000	0.0	0.0
245	0.0	0.0	0.001	0.001	0.000	0.0	0.0
250	0.0	0.0	0.001	0.001	0.000	0.0	0.0
255	0.0	0.0	0.001	0.000	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
260	0.0	0.0	0.001	0.000	0.000	0.0	0.0
265	0.0	0.0	0.001	0.000	0.000	0.0	0.0
270	0.0	0.0	0.000	0.000	0.000	0.0	0.0
275	0.0	0.0	0.000	0.000	0.000	0.0	0.0
280	0.0	0.0	0.000	0.000	0.000	0.0	0.0
285	0.0	0.0	0.000	0.000	0.000	0.0	0.0
290	0.0	0.0	0.000	0.000	0.000	0.0	0.0
295	0.0	0.0	0.000	0.000	0.000	0.0	0.0
300	0.0	0.0	0.000	0.000	0.000	0.0	0.0
305	0.0	0.0	0.000	0.000	0.000	0.0	0.0
310	0.0	0.0	0.000	0.000	0.000	0.0	0.0
315	0.0	0.0	0.000	0.000	0.000	0.0	0.0
320	0.0	0.0	0.000	0.000	0.000	0.0	0.0
325	0.0	0.0	0.000	0.000	0.000	0.0	0.0
330	0.0	0.0	0.000	0.000	0.000	0.0	0.0
335	0.0	0.0	0.000	0.000	0.000	0.0	0.0
340	0.0	0.0	0.000	0.000	0.000	0.0	0.0
345	0.0	0.0	0.000	0.000	0.000	0.0	0.0
350	0.0	0.0	0.000	0.000	0.000	0.0	0.0
355	0.0	0.0	0.000	0.000	0.000	0.0	0.0
360	0.0	0.0	0.000	0.000	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



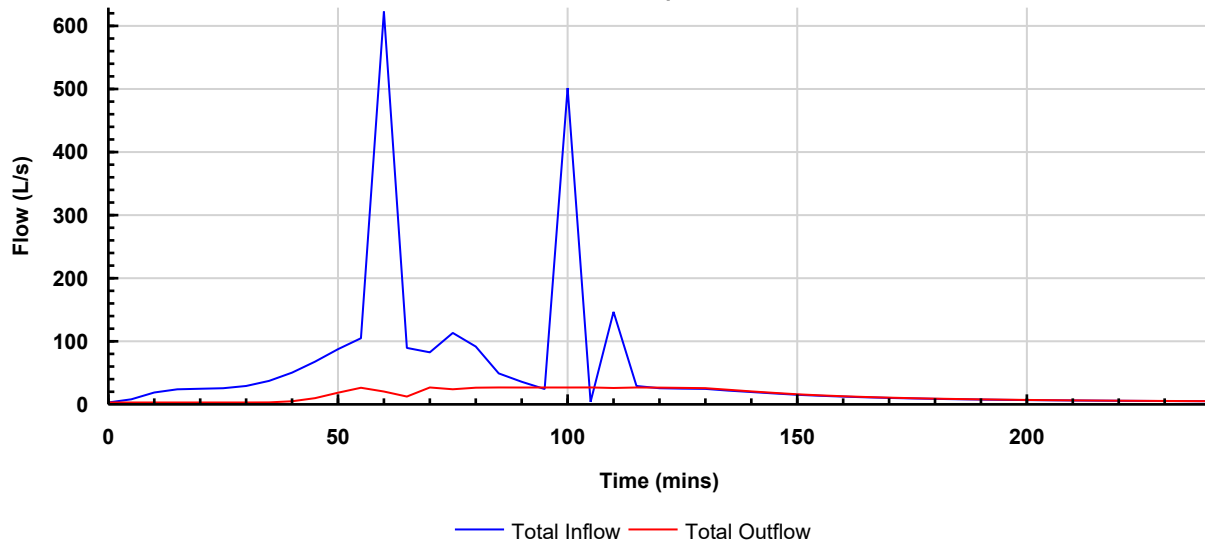
SMH-06

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 120 mins: Winter

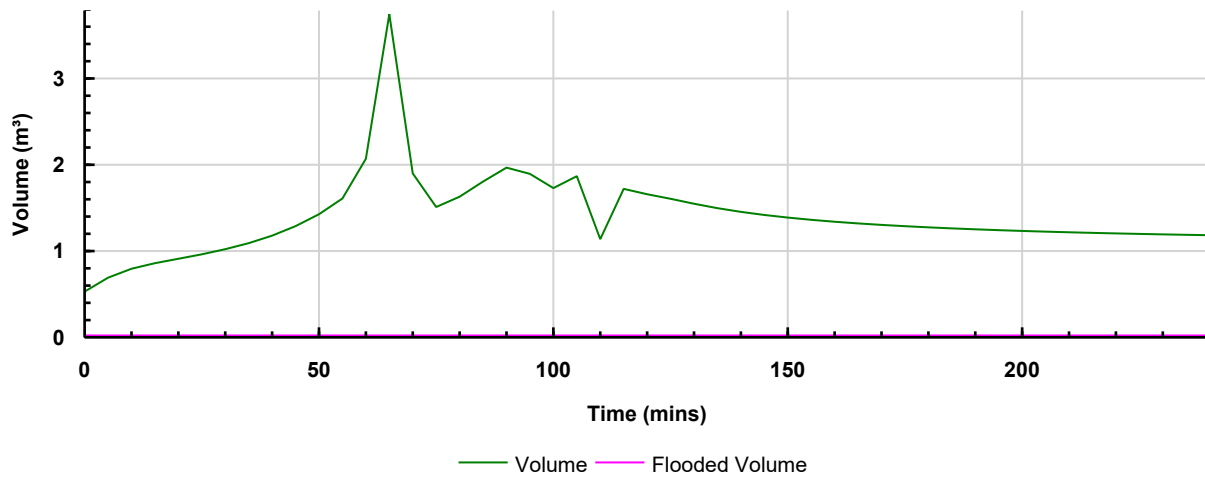
Type : Manhole

Graphs

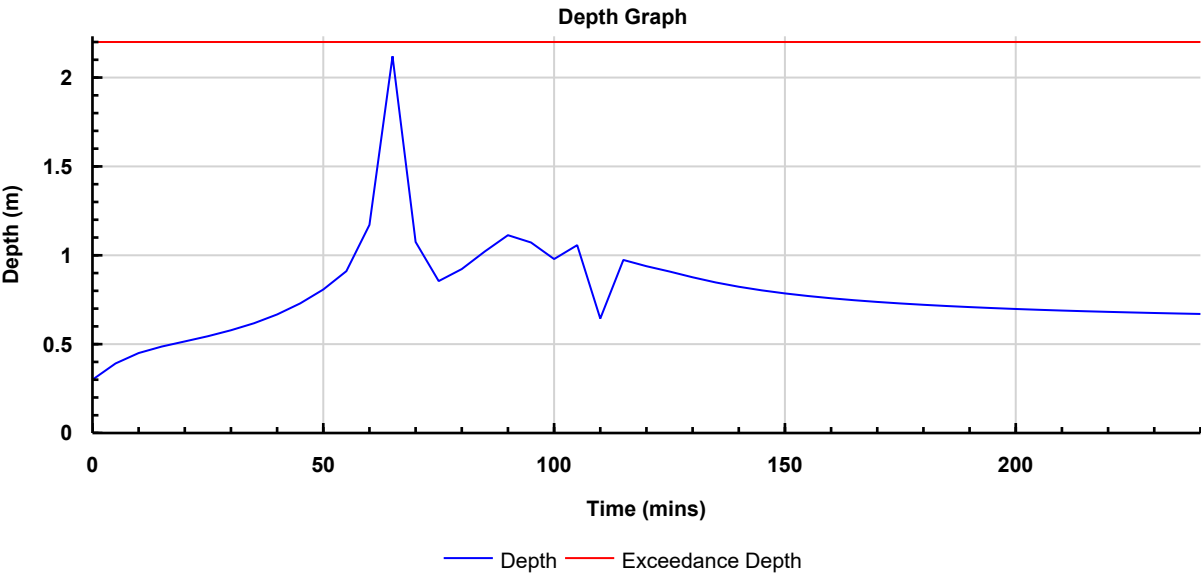
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	2.7	2.7	5.1	0.391	0.692	0.000	0.0
10	1.0	1.0	15.9	0.450	0.795	0.000	0.0
15	0.6	0.6	21.0	0.486	0.860	0.000	0.0
20	0.8	0.8	21.9	0.515	0.911	0.000	0.0
25	0.8	0.8	22.7	0.545	0.962	0.000	0.0
30	0.9	0.9	26.3	0.578	1.022	0.000	0.0
35	1.7	1.7	34.4	0.618	1.091	0.000	0.2
40	4.3	4.3	47.5	0.667	1.179	0.000	1.9
45	10.4	10.4	65.0	0.729	1.289	0.000	6.9
50	19.9	19.9	84.9	0.807	1.427	0.000	15.6
55	27.8	27.8	102.4	0.911	1.609	0.000	23.4
60	584.0	584.0	622.7	1.171	2.069	0.000	17.5
65	79.6	79.6	86.9	2.120	3.746	0.000	9.4
70	31.2	31.2	79.9	1.075	1.900	0.000	23.9
75	-49.2	-49.2	110.8	0.855	1.511	0.000	21.0
80	32.5	32.5	89.1	0.923	1.630	0.000	23.6
85	26.0	26.0	46.3	1.022	1.805	0.000	23.9
90	31.7	31.7	33.0	1.113	1.967	0.000	23.8
95	21.3	21.3	21.4	1.072	1.894	0.000	23.9
100	500.9	500.9	500.9	0.979	1.730	0.000	23.9
105	-16.1	-16.1	1.0	1.057	1.868	0.000	23.9
110	-344.1	-344.1	144.4	0.644	1.138	0.000	23.1
115	26.0	26.0	26.3	0.974	1.721	0.000	23.9
120	22.7	22.7	22.7	0.939	1.658	0.000	23.7
125	22.1	22.1	22.1	0.909	1.606	0.000	23.3
130	21.7	21.7	21.7	0.876	1.548	0.000	22.8
135	18.9	18.9	18.9	0.847	1.497	0.000	20.2
140	16.6	16.6	16.6	0.823	1.454	0.000	17.7
145	14.4	14.4	14.4	0.803	1.418	0.000	15.3
150	12.3	12.3	12.3	0.785	1.388	0.000	13.1
155	10.7	10.7	10.7	0.771	1.362	0.000	11.4
160	9.3	9.3	9.3	0.758	1.340	0.000	9.9
165	8.2	8.2	8.2	0.747	1.320	0.000	8.7
170	7.3	7.3	7.3	0.738	1.303	0.000	7.7
175	6.4	6.4	6.4	0.729	1.288	0.000	6.8
180	5.7	5.7	5.7	0.721	1.275	0.000	6.1
185	5.2	5.2	5.2	0.715	1.263	0.000	5.5
190	4.6	4.6	4.6	0.709	1.252	0.000	4.9
195	4.2	4.2	4.2	0.703	1.242	0.000	4.5
200	3.8	3.8	3.8	0.698	1.233	0.000	4.1
205	3.5	3.5	3.5	0.693	1.225	0.000	3.7
210	3.2	3.2	3.2	0.689	1.218	0.000	3.4
215	2.9	2.9	2.9	0.685	1.211	0.000	3.1
220	2.7	2.7	2.7	0.682	1.204	0.000	2.8
225	2.5	2.5	2.5	0.678	1.199	0.000	2.6
230	2.3	2.3	2.3	0.675	1.193	0.000	2.4
235	2.1	2.1	2.1	0.673	1.188	0.000	2.3
240	2.0	2.0	2.0	0.670	1.184	0.000	2.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.2
40	1.9
45	6.9
50	15.6
55	23.4
60	17.5
65	9.4
70	23.9
75	21.0
80	23.6
85	23.9
90	23.8
95	23.9
100	23.9
105	23.9
110	23.1
115	23.9
120	23.7
125	23.3
130	22.8
135	20.2
140	17.7
145	15.3
150	13.1
155	11.4
160	9.9
165	8.7
170	7.7
175	6.8
180	6.1
185	5.5
190	4.9
195	4.5
200	4.1
205	3.7
210	3.4
215	3.1
220	2.8
225	2.6
230	2.4
235	2.3
240	2.1

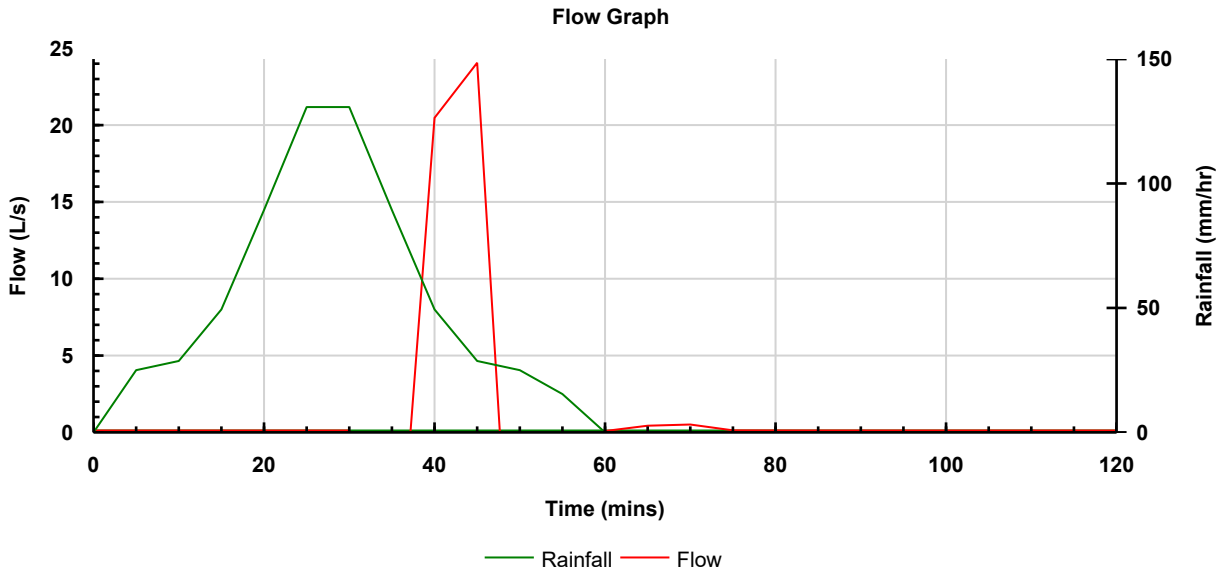
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 4.01
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.000	0.0
20	0.000	0.0
25	0.026	0.0
30	0.110	0.0
35	0.225	-16.0
40	0.222	20.5
45	0.225	24.1
50	0.225	-21.3
55	0.225	-15.2
60	0.225	-0.0
65	0.160	0.3
70	0.129	0.4
75	0.117	0.0
80	0.100	0.0
85	0.086	0.0
90	0.074	0.0
95	0.064	0.0
100	0.055	0.0
105	0.048	0.0
110	0.042	0.0
115	0.036	0.0
120	0.031	0.0

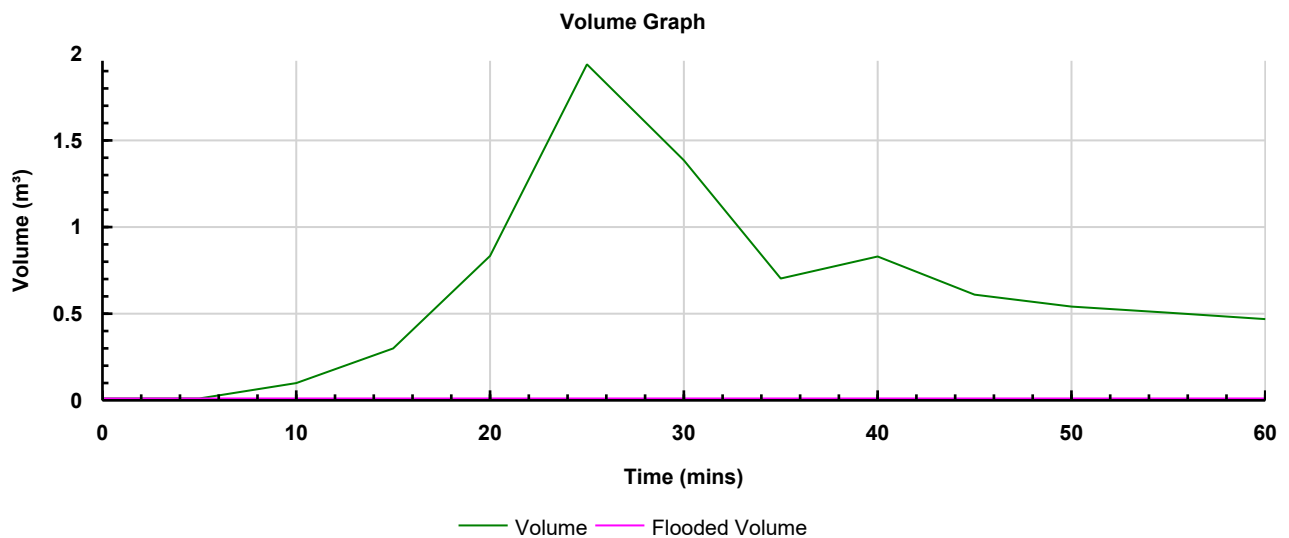
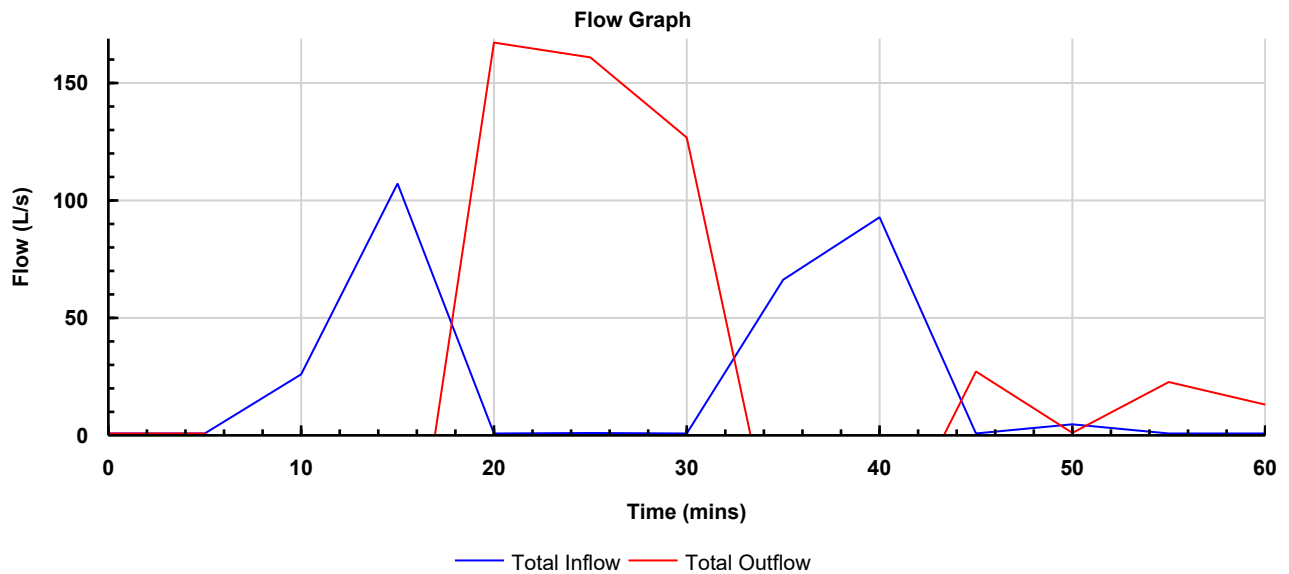
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Manhole Att Tank
Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 30 mins: Summer

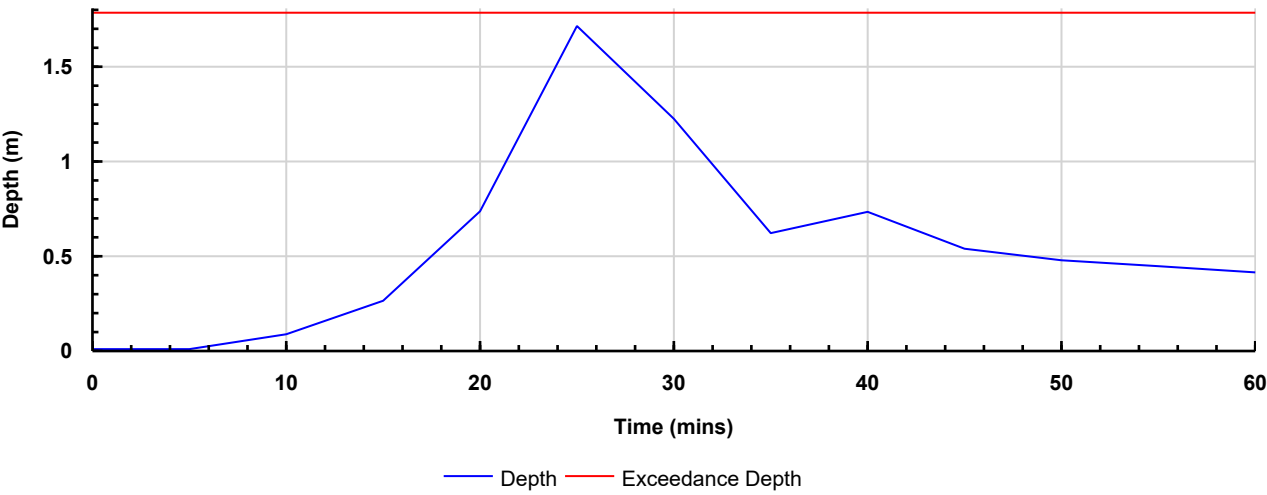
Type : Manhole

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0	0.000	0.000	0.000	0.0	0.0
5	0.0	0.0	0.000	0.000	0.000	0.0	0.0
10	0.0	25.3	0.079	0.089	0.000	-25.3	-25.3
15	0.0	106.9	0.257	0.290	0.000	-106.9	-106.9
20	0.0	0.0	0.731	0.827	0.000	167.2	167.2
25	0.0	0.2	1.714	1.939	0.000	160.9	160.9
30	0.0	0.0	1.222	1.382	0.000	126.6	126.6
35	0.0	65.8	0.615	0.696	0.000	-65.8	-65.8
40	0.0	92.5	0.728	0.824	0.000	-55.5	-55.5
45	0.0	0.0	0.533	0.602	0.000	26.5	26.5
50	0.0	3.9	0.471	0.533	0.000	0.3	0.3
55	0.0	0.0	0.440	0.498	0.000	22.0	22.0
60	0.0	0.0	0.407	0.460	0.000	12.4	12.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



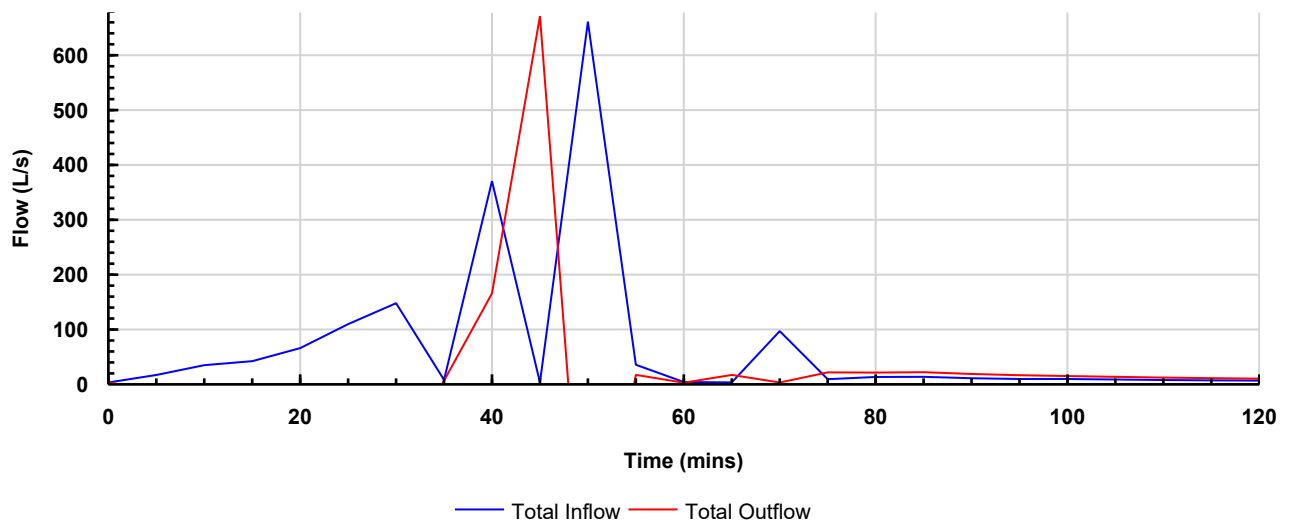
SW-MH AT 01

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 60 mins: Winter

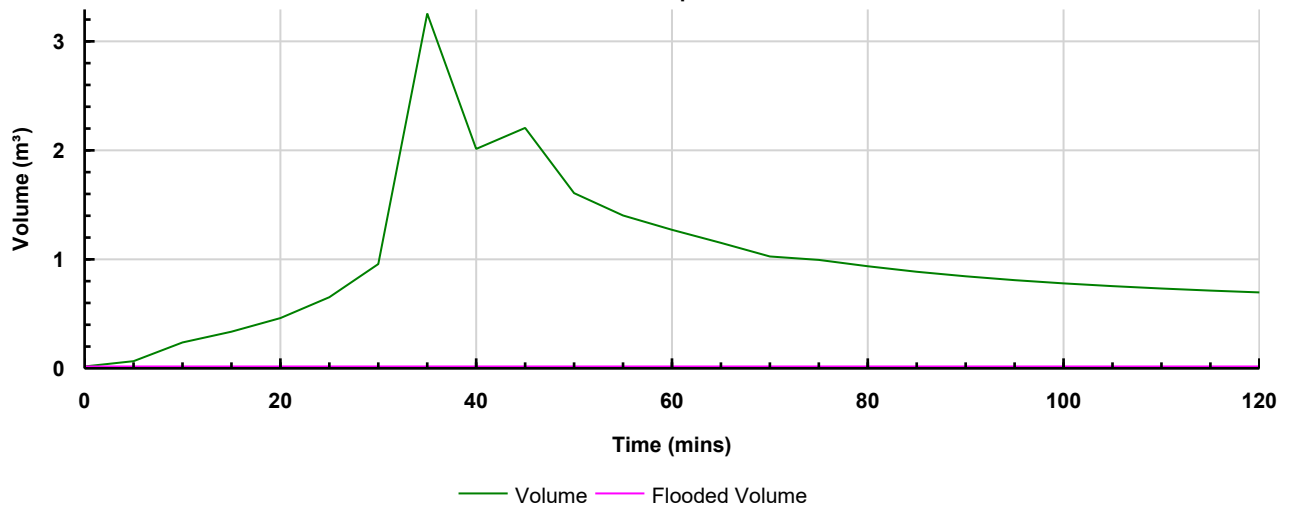
Type : Manhole

Graphs

Flow Graph

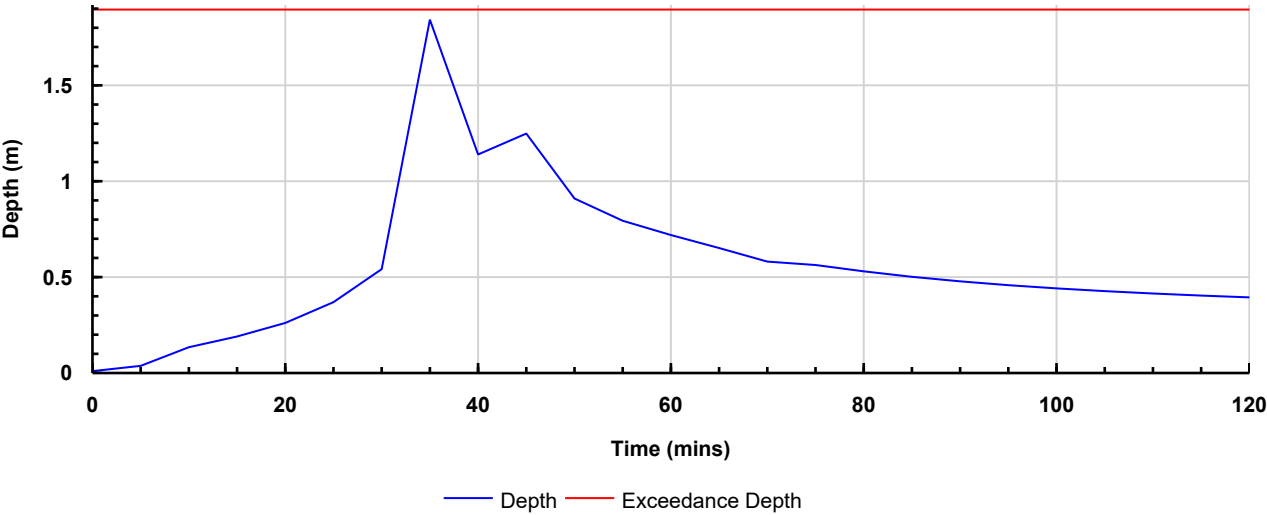


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att			
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF				

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.0	13.7	0.028	0.049	0.000	-13.7
10	-13.0	-13.0	31.7	0.125	0.221	0.000	-31.7
15	-18.8	-18.8	39.1	0.182	0.321	0.000	-39.1
20	-30.4	-30.4	63.0	0.253	0.446	0.000	-63.0
25	-53.6	-53.6	106.9	0.362	0.639	0.000	-106.9
30	-77.7	-77.7	145.2	0.535	0.945	0.000	-145.2
35	4.5	4.5	4.8	1.842	3.255	0.000	3.3
40	330.3	330.3	369.0	1.135	2.006	0.000	163.3
45	-561.8	-561.8	0.0	1.245	2.200	0.000	671.1
50	77.2	77.2	661.0	0.905	1.599	0.000	-468.1
55	0.9	0.9	32.5	0.788	1.392	0.000	14.0
60	0.3	0.3	0.8	0.713	1.260	0.000	-0.5
65	0.1	0.1	0.1	0.645	1.140	0.000	13.8
70	94.0	94.0	94.1	0.574	1.014	0.000	-0.1
75	6.0	6.0	6.0	0.556	0.983	0.000	18.5
80	10.1	10.1	10.1	0.523	0.924	0.000	18.1
85	10.4	10.4	10.4	0.494	0.873	0.000	18.8
90	7.8	7.8	7.8	0.471	0.832	0.000	15.6
95	6.4	6.4	6.4	0.450	0.796	0.000	13.3
100	6.4	6.4	6.4	0.434	0.766	0.000	11.8
105	5.5	5.5	5.5	0.419	0.741	0.000	10.3
110	4.5	4.5	4.5	0.407	0.719	0.000	9.0
115	3.9	3.9	3.9	0.396	0.700	0.000	7.9
120	3.4	3.4	3.4	0.386	0.683	0.000	7.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	-13.7
10	-31.7
15	-39.1
20	-63.0
25	-106.9
30	-145.2
35	3.3
40	163.3
45	671.1
50	-468.1
55	14.0
60	-0.5
65	13.8
70	-0.1
75	18.5
80	18.1
85	18.8
90	15.6
95	13.3
100	11.8
105	10.3
110	9.0
115	7.9
120	7.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



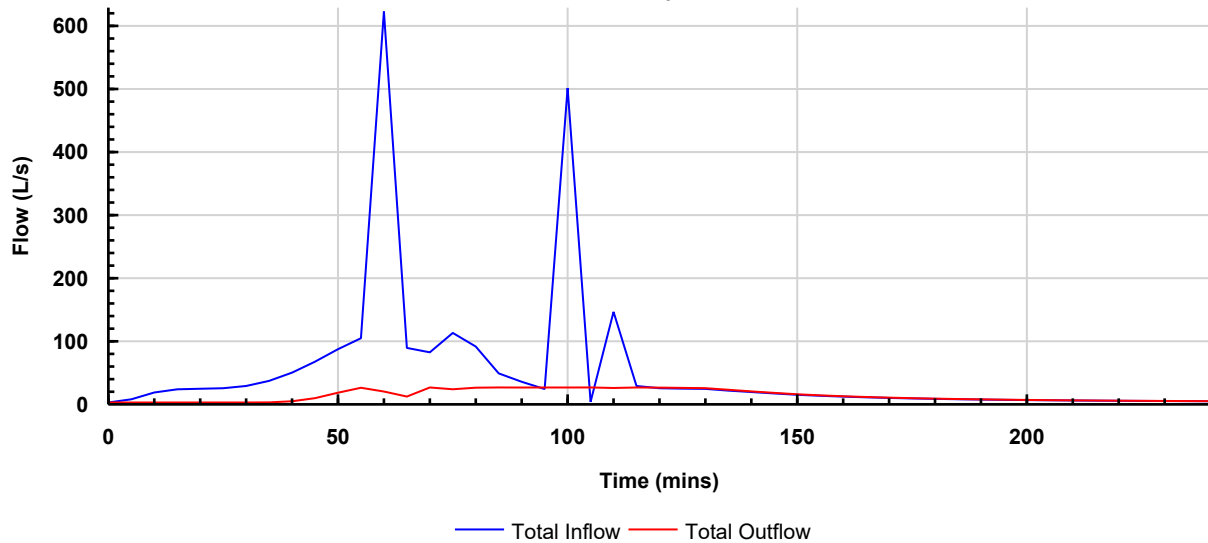
SMH-06

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 120 mins: Winter

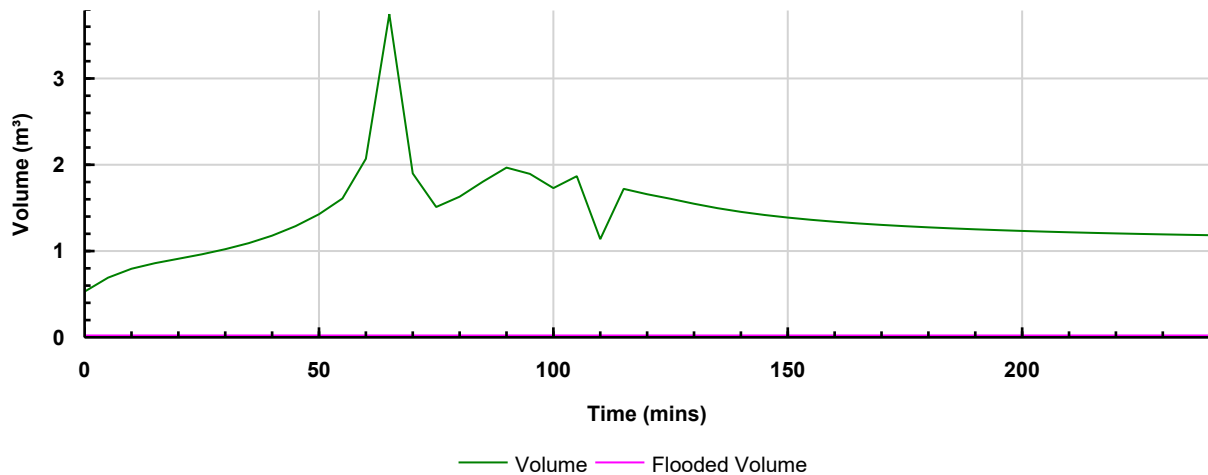
Type : Manhole

Graphs

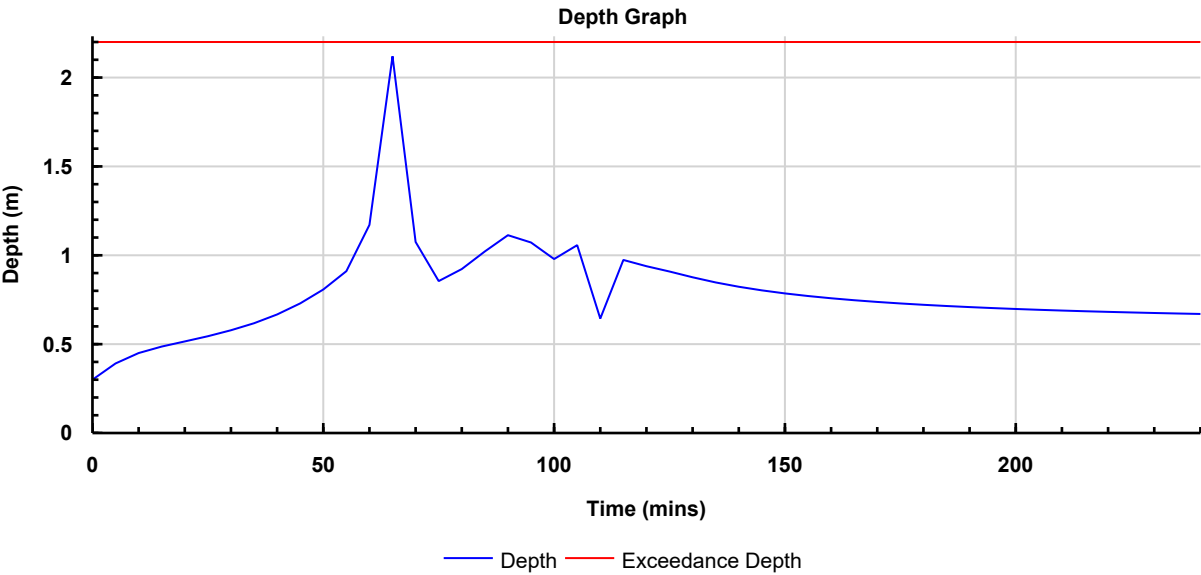
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	2.7	2.7	5.1	0.391	0.692	0.000	0.0
10	1.0	1.0	15.9	0.450	0.795	0.000	0.0
15	0.6	0.6	21.0	0.486	0.860	0.000	0.0
20	0.8	0.8	21.9	0.515	0.911	0.000	0.0
25	0.8	0.8	22.7	0.545	0.962	0.000	0.0
30	0.9	0.9	26.3	0.578	1.022	0.000	0.0
35	1.7	1.7	34.4	0.618	1.091	0.000	0.2
40	4.3	4.3	47.5	0.667	1.179	0.000	1.9
45	10.4	10.4	65.0	0.729	1.289	0.000	6.9
50	19.9	19.9	84.9	0.807	1.427	0.000	15.6
55	27.8	27.8	102.4	0.911	1.609	0.000	23.4
60	584.0	584.0	622.7	1.171	2.069	0.000	17.5
65	79.6	79.6	86.9	2.120	3.746	0.000	9.4
70	31.2	31.2	79.9	1.075	1.900	0.000	23.9
75	-49.2	-49.2	110.8	0.855	1.511	0.000	21.0
80	32.5	32.5	89.1	0.923	1.630	0.000	23.6
85	26.0	26.0	46.3	1.022	1.805	0.000	23.9
90	31.7	31.7	33.0	1.113	1.967	0.000	23.8
95	21.3	21.3	21.4	1.072	1.894	0.000	23.9
100	500.9	500.9	500.9	0.979	1.730	0.000	23.9
105	-16.1	-16.1	1.0	1.057	1.868	0.000	23.9
110	-344.1	-344.1	144.4	0.644	1.138	0.000	23.1
115	26.0	26.0	26.3	0.974	1.721	0.000	23.9
120	22.7	22.7	22.7	0.939	1.658	0.000	23.7
125	22.1	22.1	22.1	0.909	1.606	0.000	23.3
130	21.7	21.7	21.7	0.876	1.548	0.000	22.8
135	18.9	18.9	18.9	0.847	1.497	0.000	20.2
140	16.6	16.6	16.6	0.823	1.454	0.000	17.7
145	14.4	14.4	14.4	0.803	1.418	0.000	15.3
150	12.3	12.3	12.3	0.785	1.388	0.000	13.1
155	10.7	10.7	10.7	0.771	1.362	0.000	11.4
160	9.3	9.3	9.3	0.758	1.340	0.000	9.9
165	8.2	8.2	8.2	0.747	1.320	0.000	8.7
170	7.3	7.3	7.3	0.738	1.303	0.000	7.7
175	6.4	6.4	6.4	0.729	1.288	0.000	6.8
180	5.7	5.7	5.7	0.721	1.275	0.000	6.1
185	5.2	5.2	5.2	0.715	1.263	0.000	5.5
190	4.6	4.6	4.6	0.709	1.252	0.000	4.9
195	4.2	4.2	4.2	0.703	1.242	0.000	4.5
200	3.8	3.8	3.8	0.698	1.233	0.000	4.1
205	3.5	3.5	3.5	0.693	1.225	0.000	3.7
210	3.2	3.2	3.2	0.689	1.218	0.000	3.4
215	2.9	2.9	2.9	0.685	1.211	0.000	3.1
220	2.7	2.7	2.7	0.682	1.204	0.000	2.8
225	2.5	2.5	2.5	0.678	1.199	0.000	2.6
230	2.3	2.3	2.3	0.675	1.193	0.000	2.4
235	2.1	2.1	2.1	0.673	1.188	0.000	2.3
240	2.0	2.0	2.0	0.670	1.184	0.000	2.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.2
40	1.9
45	6.9
50	15.6
55	23.4
60	17.5
65	9.4
70	23.9
75	21.0
80	23.6
85	23.9
90	23.8
95	23.9
100	23.9
105	23.9
110	23.1
115	23.9
120	23.7
125	23.3
130	22.8
135	20.2
140	17.7
145	15.3
150	13.1
155	11.4
160	9.9
165	8.7
170	7.7
175	6.8
180	6.1
185	5.5
190	4.9
195	4.5
200	4.1
205	3.7
210	3.4
215	3.1
220	2.8
225	2.6
230	2.4
235	2.3
240	2.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



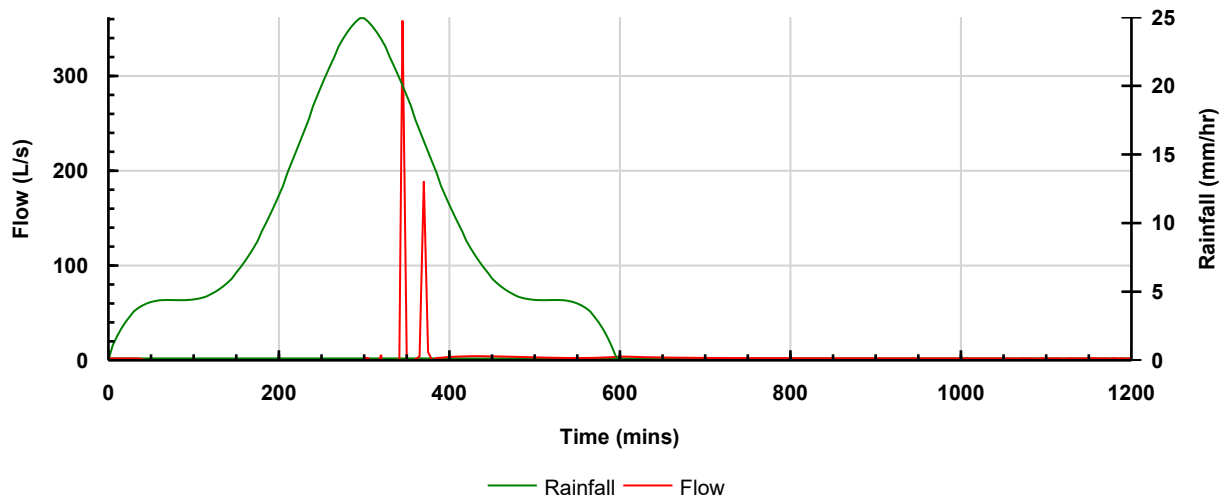
Offline Attenuation

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 600 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.007	0.0
20	0.015	0.0
25	0.024	0.0
30	0.033	0.0
35	0.042	0.0
40	0.052	-0.8
45	0.064	-2.3
50	0.075	-2.4
55	0.086	-2.4
60	0.097	-2.6
65	0.107	-2.7
70	0.117	-2.7
75	0.126	-2.8
80	0.136	-2.8
85	0.145	-2.8
90	0.154	-2.8
95	0.163	-2.9
100	0.171	-2.9
105	0.180	-2.9
110	0.188	-3.0
115	0.197	-3.0
120	0.205	-3.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
125	0.214	-3.1
130	0.222	-3.2
135	0.231	-3.2
140	0.240	-3.2
145	0.248	-3.2
150	0.257	-3.3
155	0.265	-3.3
160	0.274	-3.4
165	0.283	-3.4
170	0.291	-3.4
175	0.300	-3.4
180	0.309	-3.4
185	0.318	-3.5
190	0.327	-3.5
195	0.336	-3.6
200	0.345	-3.6
205	0.354	-3.6
210	0.363	-3.6
215	0.372	-3.6
220	0.382	-3.7
225	0.391	-3.7
230	0.401	-3.7
235	0.411	-3.6
240	0.420	-3.6
245	0.430	-3.7
250	0.441	-3.8
255	0.451	-3.8
260	0.462	-3.7
265	0.473	-3.8
270	0.485	-4.1
275	0.498	-4.6
280	0.513	-5.0
285	0.531	-5.4
290	0.552	-5.9
295	0.565	-8.4
300	0.580	0.5
305	0.598	0.3
310	0.582	-33.2
315	0.600	-6.5
320	0.600	3.8
325	0.600	-55.2
330	0.600	-3.2
335	0.581	-9.9
340	0.600	-124.4
345	0.600	358.4
350	0.600	-2.9
355	0.600	-11.9
360	0.600	-0.7
365	0.600	2.0
370	0.453	187.8
375	0.458	6.5
380	0.459	-2.3
385	0.459	0.5
390	0.458	0.7
395	0.455	1.2
400	0.451	1.5
405	0.447	1.8
410	0.441	2.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.436	2.1
420	0.430	2.2
425	0.424	2.4
430	0.417	2.4
435	0.411	2.4
440	0.404	2.3
445	0.398	2.2
450	0.393	2.1
455	0.387	2.1
460	0.382	2.0
465	0.377	1.9
470	0.372	1.8
475	0.367	1.7
480	0.363	1.6
485	0.359	1.5
490	0.355	1.4
495	0.352	1.3
500	0.349	1.1
505	0.346	1.0
510	0.343	0.9
515	0.341	0.8
520	0.339	0.7
525	0.337	0.6
530	0.336	0.6
535	0.334	0.5
540	0.333	0.5
545	0.332	0.4
550	0.331	0.4
555	0.330	0.4
560	0.329	0.5
565	0.327	0.5
570	0.326	0.6
575	0.324	0.8
580	0.322	0.9
585	0.320	1.1
590	0.316	1.3
595	0.313	1.6
600	0.308	1.8
605	0.303	1.9
610	0.299	1.9
615	0.294	1.7
620	0.290	1.6
625	0.286	1.5
630	0.282	1.3
635	0.279	1.2
640	0.276	1.2
645	0.273	1.1
650	0.270	1.0
655	0.268	0.9
660	0.266	0.9
665	0.263	0.8
670	0.261	0.8
675	0.259	0.7
680	0.258	0.7
685	0.256	0.6
690	0.254	0.6
695	0.253	0.6
700	0.251	0.5

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
705	0.250	0.5
710	0.249	0.5
715	0.247	0.5
720	0.246	0.4
725	0.245	0.4
730	0.244	0.4
735	0.243	0.4
740	0.242	0.4
745	0.241	0.3
750	0.240	0.3
755	0.239	0.3
760	0.238	0.3
765	0.238	0.3
770	0.237	0.3
775	0.236	0.3
780	0.235	0.3
785	0.235	0.3
790	0.234	0.2
795	0.233	0.2
800	0.233	0.2
805	0.232	0.2
810	0.232	0.2
815	0.231	0.2
820	0.231	0.2
825	0.230	0.2
830	0.230	0.2
835	0.229	0.2
840	0.229	0.2
845	0.228	0.2
850	0.228	0.2
855	0.227	0.2
860	0.227	0.1
865	0.227	0.1
870	0.226	0.1
875	0.226	0.1
880	0.225	0.1
885	0.225	0.1
890	0.225	0.1
895	0.224	0.1
900	0.224	0.1
905	0.224	0.1
910	0.223	0.1
915	0.223	0.1
920	0.223	0.1
925	0.223	0.1
930	0.222	0.1
935	0.222	0.1
940	0.222	0.1
945	0.221	0.1
950	0.221	0.1
955	0.221	0.1
960	0.221	0.1
965	0.220	0.1
970	0.220	0.1
975	0.220	0.1
980	0.220	0.1
985	0.219	0.1
990	0.219	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
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Time (mins)	Depth (m)	Flow (L/s)
995	0.219	0.1
1000	0.219	0.1
1005	0.219	0.1
1010	0.218	0.1
1015	0.218	0.1
1020	0.218	0.1
1025	0.218	0.1
1030	0.218	0.1
1035	0.217	0.1
1040	0.217	0.1
1045	0.217	0.1
1050	0.217	0.1
1055	0.217	0.1
1060	0.217	0.1
1065	0.216	-0.1
1070	0.216	0.1
1075	0.216	0.2
1080	0.216	0.1
1085	0.216	-0.1
1090	0.216	-0.2
1095	0.215	0.2
1100	0.215	0.1
1105	0.215	0.1
1110	0.215	0.1
1115	0.215	0.1
1120	0.215	-0.2
1125	0.215	0.1
1130	0.215	0.2
1135	0.214	0.0
1140	0.214	0.0
1145	0.214	0.0
1150	0.214	0.2
1155	0.214	0.3
1160	0.214	0.1
1165	0.214	0.0
1170	0.214	0.1
1175	0.213	-0.2
1180	0.213	0.4
1185	0.213	-0.1
1190	0.213	0.2
1195	0.213	-0.2
1200	0.213	0.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
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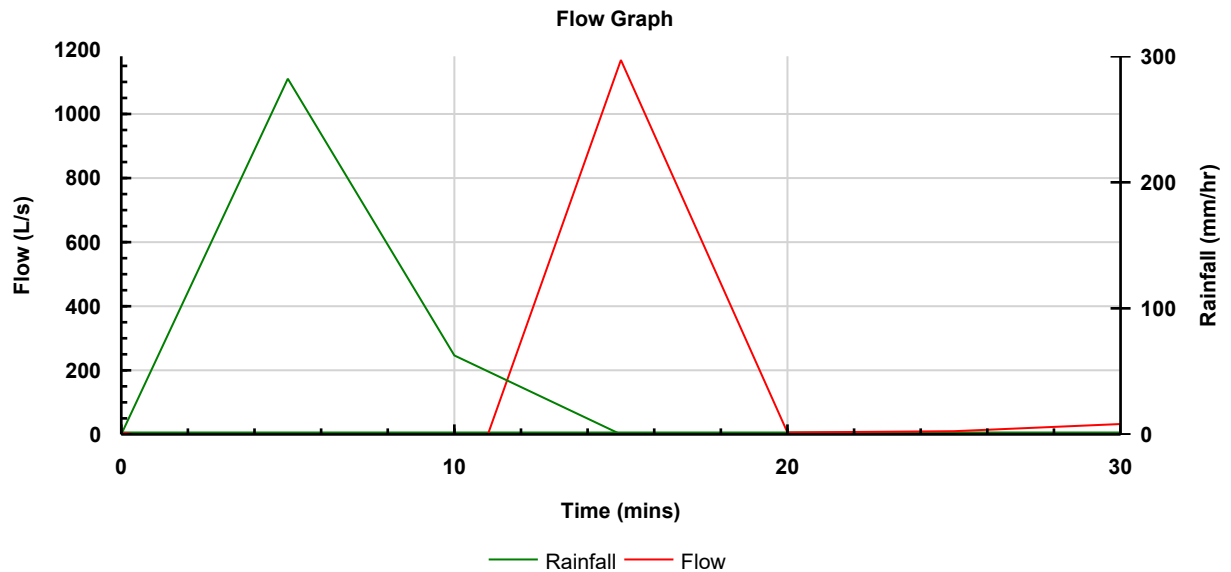


Pipe 5.01

Critical by Return Period: FSR: 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.186	-66.3
10	0.456	-302.0
15	0.600	1168.4
20	0.600	0.1
25	0.600	4.1
30	0.597	26.6